

Volume

#

R0304

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PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this }
day of , 189 }



BOOK A-304

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PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

, Chainman.

, Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman.

, Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

, Flagman.

Subscribed and sworn to before me this }
day of , 189 }



BOOK A-304

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PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., *Moundman.*

....., *Moundman.*

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., *Axman.*

....., *Axman.*

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., *Flagman.*

Subscribed and sworn to before me this }
day of , 189 }



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PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



BOOK A-304

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PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., *Moundman.*

....., *Moundman.*

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., *Axman.*

....., *Axman.*

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., *Flagman.*

Subscribed and sworn to before me this }
day of , 189 }



BOOK A-304

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PRELIMINARY OATHS OF ASSISTANTS.

We, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chairman.

....., Chairman.

Subscribed and sworn to before me this }
day of , 189 }



We, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



We, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



FIELD NOTES

L.H.

OF THE SURVEY OF THE

Unitah Special Base
through
Ranger No 2 West

of the Unitah Special Base and Meridian,
in the state of Utah

AS SURVEYED BY

Harvey D. Hirst

, United States Deputy Surveyor

Under his Contract No. 266, dated July 20 - 1903; 1

Survey commenced August 25 - 1903, 189

Survey completed August 26 - 1903

Hugh L. O'Brien

NAMES AND DUTIES OF ASSISTANTS.

Earl Wooley Chairman

Alma Johnson "

William Walquist

George Rofford

Harry Payne Ax man

Joseph Erickson Flagman

Alma Johnson Mountaineer

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#

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BOOK A-304

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, Eare McColley Alma Johnson and William Walquist, George C. J.
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of
Unitah Special Base Line through RS. 2, 3, 5 & 6 West
of the Unitah Special Base and meridian in the state of Utah.
Carl Wollery William Walquist, Chainman.
Alma Johnson George Rofford, Chainman.

Subscribed and sworn to before me this 25th
day of August, 1893.



Harvey L. Flirt
Geo. S. Elphy Surveyor

We, I, Alma Johnson and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey of
Unitah Special Base Line through RS. 2, 3, 5 & 6 West
of the Unitah Special Base and meridian in the state of Utah.
Alma Johnson Moundman.

Subscribed and sworn to before me this 25th
day of August, 1893.



Harvey L. Flirt
Geo. S. Elphy Surveyor

We, I, Harry Payne
do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of
Unitah Special Base Lines through RS. 2, 3, 5 & 6
West, of the Unitah Special Base and meridian in the state of Utah.
Harry Payne Axman.

....., Axman.

Subscribed and sworn to before me this 25th
day of August, 1893.



Harvey L. Flirt
Geo. S. Elphy Surveyor

I, Joseph E. Rickerson, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the
survey of Unitah Special Base Line through RS. 2, 3, 5 & 6
West, of the Unitah Special Base and meridian in the state of Utah.
Joseph E. Rickerson Flagman.

Subscribed and sworn to before me this 25th
day of August, 1893.



Harvey L. Flirt
Geo. S. Elphy Surveyor

Chains.

Survey commenced Aug. 25th, 1903, and executed with a W. and L.F. Curley light mountain transit, No. , with solar attachment.

The horizontal limb is provided with two double vernier placed opposite to each other, reading to single minutes of arc, which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct and was approved by the surveyor general for Utah, April 6th, 1903.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At old established base line cor. to Tp. 1 N., Rs. 1 and W., on the Uintah Special Base; approximate latitude $40^{\circ}26'20''$ N., longitude $110^{\circ}04'19''$ W., which is a sandstone, 12x12x8 ins. above ground, marked and witnessed as described by the surveyor general; I set off $40^{\circ}26'N.$ on the lat. arc; $10^{\circ}56'N.$ on the decl. arc; and at 4h p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the cor.

At 9h 16m p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

August 25th, 1903.

August 26th: At 6 a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}35'$ to the west, and mark the meridian thus determined, by cutting a small groove in the stone set yesterday, on which the meridian falls 0.4 ins. east of the

UINTAH SPECIAL BASE through RANGE 2 WEST
chains.

mark determined by the solar.

At 7 a.m., l.m.t., I set off $40^{\circ}26'N.$, on the lat. arc; $10^{\circ}44'W.$ on the decl. arc; and mark point in meridian determined with the solar, by a cross on the stone already set 15 chs. N. of my station; this mark falls 0.3 ins. east of the mark determined by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians respectively about $0'31''$ west, and $0'16''$ east of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 7 a.m., is $N:16^{\circ}41'W.$; the angle thus determined gives the mag. decl. $16^{\circ}41'E.$

At the base line cor. already described, I run

West on S.bdy.sec.36.

Descend through scattering cedar timber, and dense artemisia.

2.00 Bottom of ravine, 100 ft. deep, course S.

Begin abrupt ascent.

6.00 Top of abrupt ascent bears N. and S.

Begin gradual ascent.

Leave cedar timber.

12.00 Begin descent.

32.50 Bottom of hollow, 100 ft. deep, course S.

Begin ascent.

Difference between measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 40.01 chs.

By 2nd set, 39.99 chs.; the mean of which is

40.00 Set a trachyte stone, $14 \times 12 \times 10$ ins., 9 ins. in the ground, for base line $\frac{1}{2}$ sec. cor., marked S C $\frac{1}{2}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

	T S C R D V
Chain.	
52.00	Descend.
63.00	Enter scattering cedar timber.
73.00	Bottom of hollow, 100 ft. deep, course S. Ascend. Difference between measurements of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point By 1st set, 80.02 chs., By 2nd set, 79.98 chs., the mean of which is
80.00	Set a trachyte stone, 20x8x4 ins., 15 ins. in the ground for base line cor. of secs. 35 and 36, marked S C on N.; with 1 groove on the E. and 5 grooves on the W. face; from which A cedar, 5 ins. diam., bears N. 74° E., 20 lks. dist., marked T 1 N R 2 W S 36 B T. A cedar, 5 ins. diam., bears N. 52° W., 62 lks. dist., marked T 1 N R 2 W S 35 B T. Land rolling. Soil, sandy loam; 2nd rate. Timber, cedar. Dense undergrowth on 80.00 chs.
	----- West on S. bdy. Sec. 35.
	Descend through dense artemisia and scattering cedar timber.
5.25	Bottom of hollow, 100 ft. deep, course S. Ascend.
15.00	Top of ridge bears N. and S. Descend. Leave cedar timber.
23.00	Begin abrupt descent. Enter scattering cedar timber.
32.75	Bottom of ravine, 150 ft. deep, course S. Begin abrupt ascent... Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point

Uintah Special Base through Range 2 West

Chains.	By 1st set, 39.98 chs.
	By 2nd set 40.02 chs., the mean of which is
40.00	Set a trachyte stone, 20x12x8 ins., 15 ins. in the ground, for base line $\frac{1}{2}$ sec.cor., marked S C $\frac{1}{4}$ on N. face; from which A cedar, 5 ins. diam., bears N. 60° E., 67 lks. dist., marked S C $\frac{1}{4}$ S B T.
	A cedar, 5 ins. diam., bears N. 60° W., 38 lks. dist., marked S C $\frac{1}{4}$ S B T.
41.00	Top of abrupt ascent bears N. and S.
	Begin gradual ascent.
45.00	Leave cedar timber.
77.00	Enter scattering cedar timber.
	Difference between measurements of 80.00 chs. by two sets of chainmen, is 6 lks.; position of middle point
	By 1st set, 80.03 chs.
	By 2nd set, 79.97 chs., the mean of which is
80.00	Set a trachyte stone, 18x8x6 ins., 12 ins. in the ground, for base line cor. of secs. 34 and 35; marked S C on N., with 3 grooves on the E. and 4 grooves on the W. face; from which
	A cedar 5 ins. diam., bears N. 69° E., 43 lks. dist., marked T 1 N R 2 W S 35 B T.
	A cedar, 10 ins. diam., bears N. 11° W., 31 lks. dist., marked T 1 N R 2 W S 34 B T.
	Land, rolling.
	Soil, sandy loam; 2nd rate.
	Timber, cedar.
	Dense undergrowth on 80.00 chs.

	West on S. bdy. sec. 34.
	Ascent through scattering cedar timber and dense artemisia.
11.00	Top of ridge bears NE and SW.
	Begin abrupt descent.
20.00	Foot of abrupt descent bears N.W. and S.E.

Uintah Special Base through Range 2 West.

Chain.

Leave cedar timber.

Enter level land.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set, 40.02 chs.

By 2nd set, 39.98 chs., the mean of which is

40.00 Set a trachyte stone, 15x10x6 ins., 10 ins. in the ground, for base line $\frac{1}{2}$ sec.cor., marked S C $\frac{1}{2}$ on N.face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N.of cor. Pits impracticable.

Enter dense greasewood brush.

46.75 Wash, 3 chs.wide, 20 ft. deep, coarse S.

Ascend.

51.00 Leave grease wood brush

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 8 lks.; position of middle point

By 1st set, 80.04 chs.

By 2nd set, 79.96 chs., the mean of which is

80.00 Set a trachytic stone, 30x10x6 ins., 15 ins. in the ground, for base line cor.of secs.33 and 34, marked S C on N.; with 3 grooves on the E. and W.faces; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N.of cor. Pits impracticable.

Land, rolling.

Soil, sandy loam; 2nd rate.

Timber, cedar.

Dense undergrowth on 80.00 chs.

August 26th: At this cor., I set off $10^{\circ}39'N.$ on the decl. arc; and, at 0h 2m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $40^{\circ}26'N.$

West on S.bdy.sec.33.

Ascend through dense artemisia.

13.50 Enter heavy cedar and pinon timber, bearing N. and S.

22.50 Leave heavy timber, bearing N. and S.

Uintah Special Base through Range 2 West.

- Chains.
- Enter scattering cedar timber.
- 31.00 Leave timber.
- Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point
- By 1st set, 40.03 chs.
- By 2nd set, 39.97 chs., the mean of which is
- 40.00 Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground; for base line $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N.face; and raise a mound of stone; 3 ft. base, $1\frac{1}{2}$ ft. high N.of cor. Pits impracticable.
- 67.00 Enter heavy cedar and pinon timber, bearing N.W. and S.E.
- 74.00 Top of ridge bears N.W. and S.E.
- Descend.
- 76.00 Leave heavy timber, bearing N.W. and S.E.
- Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks.; position of middle point
- By 1st set, 80.04 chs.
- By 2nd set, 79.96 chs., the mean of which is
- 80.00 Set a trachyte stone, 18x12x6 ins., 12 ins. in the ground; for base line cor.of secs.32 and 33, marked S C on N.; with 4 grooves on the E. and 3 grooves on the W.face; and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high N.of cor. Pits impracticable.
- Land, rolling.
- Soil, stony; third rate.
- Timber, cedar and pinon.
- Heavily timbered land or dense undergrowth on 80.00 chs.
-
- West on S.bdy:sec:32:
- Descend over rocky land through dense artemisia.
- 1.00 Bottom of hollow, 100 ft. deep, course S.
- Begin ascent.
- 6.00 Top of spur projects S.
- Begin abrupt descent.
- Enter scattering cedar timber.

Uintah Special Base through Range 2 w.

Chains.

23.00 Bottom of ravine, 150 ft. deep, course S.E.

Begin abrupt ascent.

Enter heavy cedar and pinon timber, bearing N.W. and S.E.

Difference between measurements of 40.00 chs., by two sets of chainmen is 6 lks.; position of middle point

By 1st set, 40.03 chs.

By 2nd set, 39.97 chs.; the mean of which is

40.00 Set a trachyte stone, 15x10x6 ins., 10 ins. in the ground, for base line $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N:face; from whichA cedar, 5 ins. diam., bears N.2°E., 20 lks. dist., marked S C $\frac{1}{4}$ S B T.A cedar, 7 ins. diam., bears N.70°W., 33 lks. dist., marked S C $\frac{1}{4}$ S B T.

41.50 Top of abrupt ascent bears N.W. and S.E.

Begin gradual ascent.

51.00 Top of spur projects S. E..

Descend.

60.25 Leave heavy timber, bearing N.W. and S.E.

63.00 Bottom of hollow, 75 ft. deep, course S.E.

Ascend.

66.00 Enter heavy cedar and pinon timber, bearing N.W. and S.E.

Difference between measurements of 80.00 chs. by two sets of chainmen is 12 lks.; position of middle point

By 1st set, 80.06 chs.

By 2nd set, 79.94 chs.; the mean of which is

80.00 On top of spur, projecting S.

Set a trachyte stone, 18x12x6 ins., 12 ins. in the ground, for base line cor.of secs. 31 and 32, marked S C on N.; with 5 grooves on the E. and 1 groove on the W.face; from which

A cedar, 5 ins. diam., bears N.15°E., 67 lks. dist., marked T 1 N R 2 W S 32 B T.

A cedar, 5 ins. diam., bears N.46°W., 18 lks. dist., marked T C T 1 N R 2 W S 31 B T.

UINTAH SPECIAL BASE THROUGH RANGE 2 WEST.

chains.

Land, mountainous.

Soil, rocky; third rate.

Timber, cedar and pinon.

Mountainous, heavily timbered land, or dense undergrowth on 80.00 chs.

West on S.bdy.sec.31.

Over rocky land, descend through heavy cedar and pinon timber.

5.60 Bottom of hollow, 100 ft. deep, course S.E.

Begin abrupt ascent.

39.00 Top of ridge, 500 ft. above bottom of hollow, bears N. and S. Descend.

Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point

By 1st set, 40.04 chs.

By 2nd set, 39.96 chs., the mean of which is

40.00 Set a trachyte stone, 16x12x8 ins., 11 ins. in the ground, for base line $\frac{1}{2}$ sec.cor., marked S C $\frac{1}{2}$ on N. face; from which A cedar, 12 ins. diam., bears N. 86° E., 37 lks. dist., marked S C $\frac{1}{2}$ S B T.A cedar, 12 ins. diam., bears N. 31° W., 13 lks. dist., marked S C $\frac{1}{2}$ S B T.

Difference between measurements of 80.00 chs. by two sets of chainmen is 14 lks.; position of middle point

By 1st set, 80.07 chs.

By 2nd set, 79.93 chs., the mean of which is

80.00 Set a trachyte stone, 20x16x10 ins., 15 ins. in the ground, for base line cor. of Tps. 1 N., Rs. 3 and 3 W., marked S C on N.; with 6 grooves on N., E., and W. faces; from which A cedar, 8 ins. diam., bears N. 19° E., 1.06 chs. dist., marked T 1 N R 2 W S 31 B T.

A cedar, 10 ins. diam., bears N. 83° W., 43 lks. dist., marked T 1 N R 3 W S 36 B T.

Land, mountainous.

UINTAH SPECIAL BASE THROUGH RANGE 2 W.

Chain.

Soil, rocky; third rate.

Timber, cedar and pinon.

Mountainous or heavily timbered land on 80.00 chs.

August 26th, 1903.

For general description, see subdivisions of T.1 N., R.2 W.

Harvey L. Hintz,

U.S. Deputy Surveyor

Volume

#

R0304

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

....., United States Deputy Surveyor, to assist in running, measuring, marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

For final affidavits see book "I. J. N. R. 6 W.", Chainma
....., Moundm

....., Moundm

....., Axman.

....., Axman.

....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

....., United States Deputy Surveyor, in surveying those parts or portions of the _____

of the _____

..... meridian, of which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and corner monuments established, according to the instructions furnished by the United States Survey General for _____

For final affidavits see book "I. J. N. R. 6 W.", Chainman
....., Chainman

....., Moundman

....., Moundman

....., Axman.

....., Axman.

....., Flagman.

Subscribed and sworn to before me this
day of 189 }
{



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, bearing date of the _____, United States Surveyor General for _____,

day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavits see book "I" J. D. R. W.

of the _____ meridian, in the _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189 }

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah April 12, 1904, 189

The foregoing field notes of the survey of the *Utah Special Base Line* through *Ridge 2 West of the Utah Special Base and Meridian, Utah*

executed by *Harry D. Beest* under his contract No. *266*, dated *July 20 - 1903*, 189_____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Anderson

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____ has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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L.H.

FIELD NOTES

OF THE SURVEY OF THE

West, North & East Boundaries

of
Landship No. 1, North
Range No. 9, Westof the Uintah District, Uintah Meridian,
in the State of Utah

AS SURVEYED BY

John W. Harris, United States Deputy Surveyor,

Under his Contract No. 2,66, dated July 20, 1903, 190

Survey commenced August 26, 1903, 190

Survey completed September 21, 1903, 190

West Poly. h.	5.76.23
North	6.02.23
East	5.76.77
<hr/>	
17.75.87	

NAMES AND DUTIES OF ASSISTANTS.

Carl Woolley	Chairman
William Walquist	"
Alma Johnson	Manager
Harry Payne	Ax man
Joseph Erickson	Flag man

6-161

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BOOK A-304

INDEX DIAGRAM.

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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, Earl Woolley and William Halquist, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the in over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that will report the true distances to all notable objects, and the true lengths of all lines that we assist in asuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of E. 1/4 N. Bdy. of T. 1 N., R. 2 W.; N. Bdy. of T. 1 N., R. 3 W.; W. Bdy. of T. 1 N., R. 5 W.; N. 1/4 W. Bdy. 1 N., R. 6 W.; of the Minto Special Base and Meridian, in the state of Utah.

Earl Woolley, Chainman.

William Halquist, Chainman.

Subscribed and sworn to before me this 26th day of August, 1903.



WE, Alma Johnson and —

solemnly swear that we will well and truly perform the duties of moundmen in the establishment corners, according to the instructions given ^{me} to the best of ^{my} skill and ability, in the survey of E. 1/4 W. Bdy. of T. 1 N., R. 2 W.; N. Bdy. of T. 1 N., R. 3 W.; W. Bdy. of T. 1 N., R. 5 W.; N. 1/4 W. Bdy. of T. 1 N., R. 6 W.; of the Minto Special Base and Meridian, in the state of Utah.

Alma Johnson, Moundman.

—, Moundman.

Subscribed and sworn to before me this 26 day of August, 1903.



WE, Harry Payne and —

solemnly swear that we will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ^{me} to the best of ^{my} skill and ability, in the survey of E. 1/4 W. Bdy. of T. 1 N., R. 2 W.; N. Bdy. of T. 1 N., R. 3 W.; W. Bdy. of T. 1 N., R. 5 W.; N. 1/4 W. Bdy. of T. 1 N., R. 6 W.; of the Minto Special Base and Meridian, in the state of Utah.

Harry Payne, Axman.

—, Axman.

Subscribed and sworn to before me this 26 day of August, 1903.



I, Joseph Erickson, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of N. 1/4 W. Bdy. of T. 1 N., R. 2 W.; N. Bdy. of T. 1 N., R. 3 W.; W. Bdy. of T. 1 N., R. 5 W.; N. 1/4 W. Bdy. of T. 1 N., R. 6 W.; of the Minto Special Base and Meridian, in the state of Utah.

Joseph Erickson, Flagman.

Subscribed and sworn to before me this 26 day of August, 1903.



Harvey H. Frost —
C. S. Shufeldt Surveyor

WEST BDY.OF T.L N.,R.2 W.

Survey commenced August 26, 1903, and executed with the instrument described in book "A" of this survey.

X I examine the adjustments of the transit, and correct the level and collimation errors; then to test the solar apparatus, by comparing its indications, resulting, from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At the base line cor. to T.1 N., R.2 and 3 W., heretofore described, on the Uintah Special Base, in approximate latitude $40^{\circ}26'N.$, longitude $110^{\circ}11'W.$, I set off $40^{\circ}26'N.$ on lat.arc, $10^{\circ}36'N.$ on decl.arc, and at 4 p.m., l.m.t., determine a meridian with the solar and mark a point thereof, on a stone firmly set in the ground, 5.00 chs.N. of the cor.

At 9h. 12m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs.N. of my station.

August 26, 1903.

August 27: At 6 a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}35'$, to the west, and mark the meridian thus determined, by cutting a small groove in the stone set last evening, on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 7 a.m., l.m.t., I set off $40^{\circ}26'N.$ on the lat.arc, $10^{\circ}24'N.$ on decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5.00 chs N. of my station; this mark falls 0.3 ins. east of the mark determined by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians respectively about $0'21''$ west and $0'16''$ east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments

WEST BDY.OF. T.1 N., R.2 W.

CHAINS

of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 7 a.m., is N. $16^{\circ}42'W.$, the angle thus determined, gives the mag. decl. $16^{\circ} 42'E.$

From the base line cor., heretofore described, I run
North, bet. secs. 31 and 36.

Descend through heavy cedar and pinon timber.

40.00

Set a trachyte stone, 15x8x6 ins., 10 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face, from which
A pinon, 5 ins. diam., bears S. $32^{\circ}W.$, 57 lks. dist., marked $\frac{1}{4}$ S. 36 B T.

A cedar, 6 ins. diam., bears S. $27^{\circ}E.$, 1.10 chs. dist., marked $\frac{1}{2}$ S 31 B T.

65.00

Leave timber, bears N.E. and S.W.

Enter dense artemisia.

Enter level land in bottom of broad hollow, course S.W.

80.00

Set a trachyte stone, 15x8x8 ins., 10 ins. in the ground, for cor. of secs. 25-30-31 and 36, marked with 1 notch on S. and 5 notches on N.edges, from which

A cottonwood, 6 ins. diam., bears N. $30^{\circ}W.$, 1.00 ch. dist.
marked T 1 N R 3 W S 25 B T.

No other trees within limits, and raise a mound of stone 3 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land rolling.

Soil, stony and bottom land, 2nd. and 3rd. rate.

Timber, cedar and pinon.

Heavily timbered land or dense undergrowth, on 180.00 chs.

North, bet. secs. 25 and 30.

Over level land, in bottom of a broad hollow, course S.W., through dense artemisia.

7.75

Wash, 15 ft. wide, 5 ft. deep, with scattering cottonwoods along bank, course S.W.

WEST BDY. OF T.1 N., R.2 W.

CHAINS

- 14.00 Same wash, 15 ft. wide, 5 ft. deep, with dense willows along bank, course S.E.
- 28.75 Same wash, 15 ft. wide, 5 ft. deep, with dense willows along bank, course S.W.
- 33.50 Enter heavy cottonwood timber, bears N.W. and S.E.
- 35.50 Leave timber, bears N.E. and S.W..
- 40.00 Set a trachyte stone, 18x8x6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec: cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.
- 43.00 Leave level land and bottom of hollow, bears N.E. and S.W.
Ascend:
- 49.00 Top of spur, projects E.
Descend.
- 80.00 Set a trachyte stone, 18x13x10 ins., 12 ins. in the ground, for cor. of secs. 19-24-25 and 30, marked with 4 notches on N. and S. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.
Land, nearly level.
Soil, bottom land 43.00 chs: 2nd.rate.
balance rocky 3rd.rate.
Timber; cottonwood.
Dense undergrowth or heavily timbered land on ~30000 chs.
August 27: At this cor. I set off $10^{\circ}18'N$. on decl. arc, and at 0h.4m., p.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}38'N$.

North, bet. secs. 19 and 24.

Over rocky land; descend through dense artemisia.

- 12.00 Enter bottom of broad hollow, course S.E.
Over level land.
- 24.00 Enter dense willow brush, bears N.W. and S.E.
- 31.20 Wash, 15 ft. wide, 5 ft. deep, course S.E.
Leave willow brush.

George Howell, Esq., of Boston, Mass., to Mr. and Mrs. George L.

1000 The 1st burrow of the Arroyo has .10 ins. in the ground,
then .10 ins., vertical, on either, or I count a round of
.10 ins., 5.0 ft. long, 1.0 m. high, 1.0 m. cor.
This is exact to 1.0.

On the opposite side of the valley, between timber, bears N.W. and S.E.

17-10000, "Lump Inc.", is in the ground, for cor.
17-10000, 17-100-10 ft. S.E., marked with 3 notches on N. end S.
17-100, 17-100 which

L. pino - 5' tall, diam., bole 11.5 cm., 6 lbs. live.,
height 10' 1" 1/2" girth 18 ft.

Aug 17th. - 2 min. dist., hours 2.20pm., 10 lbs. dist.,
- 1000' C 1 M 1 P 1 G 10 R T.

Section 12. The 4th, before dinner, is excellent, though not
quite so good as the 3rd.

1000 ft. N. 10 deg. E. from Hwy. 2000 N. 6 deg. E., 20 miles dist.,
between T. 1 S. & T. 2 S. R. 13 S. 10 W.
elevation 6,000 ft. 2000 ft. a.s.l.

1990-09-14

W. H. STANNETT, JR., AND G. L. RUMBLE

1996-07-17 10:20:00

1996-1997-1998-1999-2000-2001-2002

and the first element for all other in the list can be

THE MUSEUM OF THE AMERICAN INDIAN,
NEW YORK CITY.

John 10:1-18, 20-36; John 11:1-14; John 12:1-11

W. A. T. C. T. R. S. B. H. G. K. B.

— 1 —

WEST BDY. OF T.1 N.R.2 W.

CHAINS

Enter scattering cedars, dense artemisia and service berry brush.

30.00 Leave timber.

39.00 Top of spur, projects E.

Descend.

40.00 Set a trachyte stone, 18x8x8 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

80.00 Set a trachyte stone, 20x12x5 ins., 15 ins. in the ground, for cor. of secs. 7-12-13 and 18, marked with 4 notches on S. and 2 notches on N. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land mountainous.

Soil, rocky 3rd. rate.

Timber, cedar and pinon.

Mountainous land, and dense undergrowth or heavily imbered on 80.00 chs.

August 27, 1903.

ugust 28: At 7 a.m., l.m.t., I set off 40°30' N. on lat. arc, 0°03' N. on decl. arc, and determine a meridian with the sol r t the cor. of secs. 7-12-13 and 18.

Thence I run

North, bet. secs. 7 and 12.

Over rocky land, descend through dense artemisia, service berry and oak brush.

9.75 Bottom of hollow, 100 ft. deep, course E.

Ascend.

Enter scattering cedar timber.

11.50 Top of spur, projects E.

Descend.

13.00 Bottom of hollow, 100 ft. deep, course S.E.

WEST BDY.OF.T.1.N.,R.2 W.

HAINS

- Begin abrupt ascent.
- 7.50 Top of abrupt ascent, bears N.W. and S.E.
- Begin gradual ascent.
- 5.00 Top of spur, projects S.E.
- Descend.
- 0.00 Set a trachyte stone, 20x16x8 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
- Pits impracticable.
- 3.00 Bottom of ravine, 150 ft. deep, course S.E.
- Begin abrupt ascent.
- Leave scattering cedar timber.
- 7.00 Top of spur, projects S.E.
- Descend.
- 0.00 Set a trachyte stone, 18x10x5 ins., 12 ins. in the ground, for cor.of secs.1-6-7 and 12, marked with 5 notches on S. and 1 notch on N.edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
- Pits impracticable.
- Land, mountainous.
- Soil, rocky, 3rd.rate.
- Timber, cedar.
- Mountainous land and dense undergrowth on 80.00 chs.
August 22:At this cor.I set off $9^{\circ}57'N.$ on decl.arc, and at Oh.lm., pm., l.m.t., observe the sun on the meridian, the resulting lat.is $40^{\circ}31'N.$
- North, bet.secs.1 and 6.
- Over rocky land, descend through dense artemisia, oak and service berry brush.
- 5.75 Bottom of ravine, 150 ft. deep, course S.E.
- Ascend along bottom of ravine, course S., through scattering cottonwood timber.
- 6.00 Leave ravine, course from N.W. to S.
- Leave timber.
- Ascend along west side of ravine.
- 0.00 Set a trachyte stone, 18x12x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, and raise a mound of

WEST. BDY.OF T.1 N.,R.2 W.

CHAINS

stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable..

51.00 Top of spur, projects S.E.

Descend.

54.00 Same ravine, 150 ft. deep, course S.E.

Ascend.

80.00 Set temp.cor.for Tps.1 and 2 N., Rs.2 and 3 W.

This cor.was set permanently August 29.1903, 3.75 chs.S. of this point, and is described on the N.bdy.of this Tp.
Land mountainous.

Soil, rocky, 3rd.rate..

Timber, cottonwoods.

Mountainous land and dense undergrowth on 76.25 chs.

August 28, 1903.

NORTH BDY.OF T.1 N.,R.2 W.

August 29: At 7 a.m., l.m.t., I. set off $40^{\circ}32'N.$ on lat.arc; $9^{\circ}41'N.$ on decl.arc; and determine a meridian with the solar, at the cor.of Tps.1 and 2 N.,Rs.1. and 2 W., which is a sandstone, $18 \times 12 \times 12$ ins.above ground, marked and witnessed. as described by the surveyor general.

Thence I run

West on a random line, along the N.bdy.of T.1 N.,R.2 W., setting temp. $\frac{1}{2}$ sec. and sec.cors. at intervals of 40.00 chs., and at 482.35 chs., intersect the west bdy.of the Tp. 3.75 chs.S. of the temp.cor.for Tps.1 and 2 N.,Rs.2 and 3 W. established August 28, 1903, by me..

As the falling exceeds the limit, I destroy the temp.cor. and establish the random as a true line, as follows.

At my intersection with the range line bet.Rs.2 and 3 W. I set a trachyte stone, $24 \times 12 \times 5$ ins., 18 ins.in the ground, for cor.of Tps.1 and 2 N.,Rs.2 and 3 W.,marked

2 N on N.E.,

3 W. on S.E.

NORTH. BDY. OF. T.1. N., R.2 W.

CHAINS	3 W.on N.W.face,with 6 notches on each edge ,and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,S.of cor. Pits impracticable.
	August 29, 1903.
	August 30: At 7 a.m., l.m.t., I set off $40^{\circ}32'N$.on lat.arc; $9^{\circ}20'W$.on decl.arc; and determine a meridian with the solar, at the cor.of Tps.1 and 2 N., Rs.2 and 3 W. Thence I run
	East,bet.secs.6 and 31. Over rocky land,ascend through dense artemisia, and scattering service berry brush.
9.75	Top of spur,projects S. Descend.
18.00	Hollow,50 ft.deep, course S.W. Ascend.
42.25	Set a trachyte stone,20x12x4 ins.,15 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face, and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,N.of cor. Pits impracticable.
82.25	Set a trachyte stone,20x12x9 ins.,15 ins.in the ground, for cor.of secs.5-6-31 and 32,marked with 5 notches on E.and 1.notch on W.edges, and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,W.of cor. Pits impracticable. Land,rolling. Soil,rocky 3rd.rate. No timber. Dense undergrowth on 82.25 chs.
	East,bet.secs.5 and 32. Over rocky land,ascend through dense artemisia and scattering service berry brush.
3.00	Top of ridge,bears N.and S.

NORTH BDY.OF T.1 N., R.2 W.

CHAINS

Descend.

- 40.00 Set a trachyte stone, 15x10x10 ins., 10 ins. in the ground, for sec.cor., marked $\frac{1}{4}$ on N.face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N.of cor.
Pits impracticable.

- 50.00 Spring branch, 1 lk.wide, in bottom of hollow, 100 ft. deep, course S.E.

Begin abrupt ascent.

- 51.00 Top of abrupt ascent, bears N.W. and S.E.
Begin gradual ascent.

- 59.00 Top of spur, projects S.

Descend.

- 64.00 Hollow, 50 ft. deep, course S.W.

Ascend.

- 80.00 Set a trachyte stone, 20x12x12 ins., 15 ins. in the ground, for cor.of secs.4-5-32 and 33, marked with 4 notches on E. and 2 notches on W.edges, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.

Land rolling.

Soil, rocky soil.rare.

No timber.

Dense undergrowth on 80.00 chs.

August 30: At this cor.I set off 9°14' N.on decl.arc; and at 9h. 0lm., p.m., l.m.t., observe the sun on the meridian, the resulting lat.is 40°32' N.

East, bet. secs.4 and 33..

Over rocky land, ascend through dense artemisia, oak and service berry brush.

- 5.00 Top of ridge, bears N. and S.

Descend.

- 12.50 Bottom of ravine, 100 ft. deep, course S.

Begin abrupt ascent.

NORTH BDY. OF T.1 N., R.2 W.

CHAINS

18.00 Top of abrupt ascent, bears N. and S.
Begin gradual ascent.

19.00 Set a trachyte stone, 20x12x6 ins., 15 ins. in the ground,
for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on N. face, and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Pits impracticable.

19.50 Top of spur, projects S.W.
Descend.

20.00 Hollow, 50 ft. deep, course S.W.
Ascend.

20.00 Top of ridge, bears N. 15° W. and S. 15° E.
Set a trachyte stone, 16x9x6 ins., 11 ins. in the ground,
for cor. of secs. 3-4-33 and 34, marked with 3 notches on
E. and W. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$
ft. high, W. of cor.
Pits impracticable.
Land, rolling.
Soil, rocky 3rd. rate.
No timber.
Dense undergrowth on 20.00 chs.

East, bet. secs. 3 and 34.
Over rocky land, descend abruptly through dense artemisia,
oak and service berry brush.

20.00 Head of hollow, course N.E.
Ascend.

20.00 Top of spur, projects N.
Begin abrupt descent.

20.50 Foot of abrupt descent, 400 ft. below sec.cor., bears
N.W. and S.E.
Begin gradual descent.

21.00 Bottom of hollow, 100 ft. deep, course S.E.
Set a trachyte stone, 24x12x6 ins., 18 ins. in the ground,

NORTH BDY.OF.T.I.N.,R.2 W.

CHAINS

for $\frac{1}{2}$ sec.cor.,marked $\frac{1}{4}$ on N.face, and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high,N.of cor.
Pits impracticable.

Ascend.

80.00 Top of broad ridge,bears N.W.and S.E.

Set a trachyte stone,18x8x8 ins.,12 ins.in the ground, for cor.of secs.2-3-34 and 35,marked with 2 notches on E.and 4 notches on W.edges, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high,W.of cor.

Pits impracticable.

Land mountainous,

Soil,rocky 3rd.rate.

No timber.

Mountainous land and dense undergrowth on 80.00 chs.

August 30,1903.

August 31: At 7 a.m.,l.m.t.,I set off $40^{\circ}32'N$ on lat..arc $8^{\circ}59'N$.on decl.arc; and determine a true meridian with the solar,at the cor.of secs.2-3-34 and 35.

Thence I run

East,bet.secs.2 and 35.

Descend through dense artemisia and service berry brush.

10.00 Bottom of hollow,75 ft.deep,course S.E.

Ascend.

18.00 Enter scattering cedar timber.

21.00 Top of ridge,bears N.and S.

Descend.

27.00 Hollow,100 ft.deep,course S.E.

Ascend.

40.00 Set a trachyte stone,20x12x12 ins.,15 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face,from which

A cedar,5 ins.diam.,bears N. $39^{\circ}W.$,31 lks.dist., marked $\frac{1}{4}$ S 35 B T.

A cedar,4 ins.diam.,bears S. $52^{\circ}W.$,32 lks.dist., marked $\frac{1}{4}$ S 2 B T.

NORTH BDY. OF T.1 N., R.2 W.

CHAINS

- 60.00 Top of ridge, bears N.W. and S.E.
Enter heavy cedar and pinon timber, bears N.W. and S.E.
Descend.
- 80.00 Set a trachyte stone, 18x12x9 ins., 12 ins. in the ground,
for cor. of secs. 1-2-35 and 36, marked with 1 notch on E.
and 5 notches on W. edges, from which
A cedar 5 ins. diam., bears N.43°E., 64 lks. dist.,
marked T.2 N. R.2 W S 36 B T.
A cedar, 6 ins. diam., bears N.55°W. 114 lks. dist.,
marked T 3 N R 2 W S 35 B T.
No other trees within limits, and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.
Land rolling.
Soil, rocky 3rd. rate.
Timber, cedar and pinon.
Dense undergrowth or heavily timbered land on 80:00 chs.
-
- East, bet. secs. 1 and 36.
Over rolling land, descend through heavy cedar and pinon
timber.
- 40.00 Set a quartzite stone, 18x12x10 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which
A cedar 5 ins. diam., bears S.26°E., 54 lks. dist.,
marked $\frac{1}{4}$ S 1 B T.
A cedar, 5 ins. diam., bears N.69°W., 60 lks. dist.,
marked $\frac{1}{4}$ S 36 B T.
- 80.00 The cor. of Tps. 1 and 2 N., Rs. 1 and 2 W., heretofore
described.
Land rolling., Soil, rocky 3rd. rate.
Timber, cedar and pinon.
Heavily timbered land on 80:00 chs.

August 31, 1903.

EAST BDY.OF T.1 N., R.2 W.

CHAINS

From my closing on the N.bdy.of the Tp.I find the E.bdy. to be out of limits,I therefore retrace the E.bdy.to find whether the old cors.will correspond with the subdivision.of T.1 N.,R.2 W.

September 1: At 7 a.m.,l.m.t.,I set off $40^{\circ}26'N.$ on the la arc; $8^{\circ}37'N.$ on decl.arc;and determine a meridian with the solar,at the base line cor.of Tp.1 N.,Rs.1 and 2 W., heretofore described.

Thence I run

North,retracing bet.secs.31 and 36.at 39.99 chs.the old $\frac{1}{4}$ sec.cor.,bears E.30 lks.dist.,and at 79.48 chs.the cor. of secs.25-30-31 and 36,bears E.60 lks.

The course of this line is therefore $N.0^{\circ}26'E.$,and the dist.79.48 chs.

North,retracing bet.secs.25 and 30,at 39.83 chs.the old $\frac{1}{4}$ cor.bears E.30 lks.dist.and at 79.55 chs.,the cor.of secs.19-24-25 and 30,bears E.60 lks.dist.,

The course of this line is therefore $N.0^{\circ}26'E.$,and the dist.79.55 chs.

North,retracing bet.secs.19 and 24.,at 39.74 chs.,the old $\frac{1}{4}$ sec.cor.,bears E.30 lks.dist.,and at 79.45 chs.,the cor.of secs.13-18-19 and 24,bears E.40 lks.dist.

The course of this line is therefore $N.0^{\circ}17'E.$,and the dist.79.45 chs.

North,retracing bet.secs.13 and 18,at 39.69 chs.the $\frac{1}{4}$ sec.cor.,bears E.16 lks.dist.,and at 79.40 chs.the cor.of secs.7-12-13 and 18,bears E.32 lks.dist.

The course of this line is therefore $N.0^{\circ}14'E.$,and the dist.79.40 chs.

North,retracing bet.secs.7 and 12,at 39.76 chs.the $\frac{1}{4}$ sec.cor.,bears E.12 lks.,and at 79.50 chs.the cor.of secs.1-6-7 and 12,bears E.24 lks.dist.

The course of this line is therefore $N.0^{\circ}10'E.$,and the dist.79.50 chs.

North,retracing bet.secs.1 and 6,at 39.71 chs.the $\frac{1}{4}$ sec.

EAST. BDY.OF T.1 N.,R.2 W.

CHAINS

cor.bears E.11 lks.dist.,and at 79.39 chs.,the cor.of Tps 1 and 2 N.,Rs.1 and 2 W.,bears E.33 lks.dist.,The course of this line is therefore N. $0^{\circ}10'E.$,and the dist.,79.39 chs.

September 1st,1903.

As the old cors.on the east bdy.of this township will not correspond to the subdivision of T.1 N.,R.2 W.,I survey the E.bdy.setting cors.for T.1 N.,R.2 W.only,I proceed as follows:

September 2: At 7 a.m.,l.m.t.,I set off $40^{\circ}36'N.$ on lat.arc; $8^{\circ}15'N.$ on decl.arc;and determine a true meridian with the solar,at the base line cor.of Tp.1 N.,R.1 and 2 W.,heretofore described.

Thence I run

$N.0^{\circ}26'E.$,along east bdy.sec.36.

Over rocky land,descend through dense artemisia.

- 7.00 Elbow of hollow,50 ft.deep,course from N.W.to S.W.
Ascend.
- 19.90 Intersect 1/16 cor.,which is a sandstone 10x8x6 ins.above ground,marked as described by the surveyor general.
- 39.99 Intersect the old $\frac{1}{4}$ sec.cor.,which is a sandstone 10x8x5 ins.above ground,marked as described by the surveyor general.
- 59.80 Intersect 1/16 cor.,which is a sandstone,8x8x6 ins.above ground,marked as described by the surveyor general.
- 79.48 Intersect the cor.of secs.25-30-31 and 36,which is a sandstone,10x10x6 ins.above ground,marked as described by the surveyor general.
- I destroy all marks on this cor.that pertain to T.1 N.,R.2 W.
- 80.00 Set a sandstone,16x10x10 ins.,11 ins.in the ground,for cor.of secs.25 and 36,marked with 1 notch on S.and 5 notches on N.edges,and raise a mound of stone,2 ft.base,1 $\frac{1}{2}$ ft.high,N.of cor.

East, Bdy. of T.1 N., R.2 W.

CHAINS

Pits impracticable.

Land, rolling:

Soil, rocky, 3rd. rate.

No timber.

Dense undergrowth on 80.00 chs.

N.0°36'E, along E.bdy.of sec.25.

Over rocky land, ascend through dense artemisia.

13.30 Wagon road, bears E. and W.

19.40 Intersect 1/16 cor., which is a sandstone 8x6x6 ins. above ground, marked as described by the surveyor general.

31.00 Enter heavy cedar and pinon timber, bears N.W. and S.E.

39.31 Intersect $\frac{1}{4}$ sec.cor., which is a sandstone, 12x8x6 ins. above ground, marked and witnessed as described by the surveyor general.

I destroy all marks on this cor. and bearing trees that pertain to T.1 N., R.2 W.

40.00 Set a trachyte stone, 18x10x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor. for sec.25, marked $\frac{1}{4}$ on W. face, from which A cedar, 5 ins. diam., bears S.45°W., 15 iks.dist., marked $\frac{1}{4}$ S 25 B T.

A cedar, 8 ins. diam., bears N.65°W., 1.02 chs.dist., marked $\frac{1}{4}$ S 25 B T.

59.17 Intersect 1/16 cor., which is a sandstone, 12x4x6 ins. above ground, marked and witnessed as described by the surveyor general.

79.03 Intersect the cor. of secs. 19-24-25 and 30, which is a sandstone, 16x12x10 ins. above ground, marked and witnessed as described by the surveyor general.

I destroy all marks on the cor. and bearing trees, that pertain to T.1 N., R.2 W..

Thence I run N.0°17'E., with continuous measurement.

80.00 Set a sandstone, 16x12x10 ins., 11 ins. in the ground, for cor. of secs. 24 and 25, marked with 2 notches on S. and 4

EAST BDY.OF T.1 N.,R.2 W.

CHAINS

notches on N.edges,from which

A cedar 10 ins.diam.,bears S.65°W.,1.70 chs.dist.,
marked T 1 N R 2 W S 25 B T.A cedar 6 ins.diam.,bears N.8°W.,1.35 chs.dist.,
marked T 1 N R 2 W S 24 B T.

Land,rolling.

Soil,rocky,3rd.rate.

Timber,cedar and pinon.

Heavily timbered land or dense undergrowth on 80'00 chs.

N.0°17'E.,along E.bdy.of sec.24.

Over rocky land,ascend through heavy cedar and pinon timber.

18.96 Intersect 1/16 cor.,which is a sandstone,10x8x6 ins.,
above ground,marked and witnessed as described by the
surveyor general.38.77 Intersect old $\frac{1}{4}$ sec.cor.,which is a sandstone 9x6x4 ins.
above ground,marked and witnessed as described by the
surveyor general..I destroy all marks on the cor.and bearing trees,that
pertain to T.1 N.,R.2 W.40.00 Set a trachyte stone,18x10x6 ins.,12 ins.in the ground,
for $\frac{1}{4}$ sec.cor,for sec.24,marked $\frac{1}{4}$ on W.face,
from whichA cedar,10 ins.diam.,bears S.85°W.,14 lks.dist.,
marked $\frac{1}{4}$ S 24 B T.A cedar,15 ins.diam.,bears N.70°W.,37 lks,dist.,
marked $\frac{1}{4}$ S 24 B T.58.66 Intersect 1/16 cor.,which is a sandstone,12x12x5 ins.
above ground,marked and witnessed as described by the
surveyor general.

74.50 Top of spur,projects E. Descend.

78.48 Intersect the cor.of secs.13-18-19 and 24,which is a
sandstone 14x6x5 ins.above ground,marked and witnessed
as described by the surveyor general.

I destroy all marks on this cor.and bearing trees,that

EAST BDY.OF T.1 N.,R.2 W.

CHAINS

pertain to T.1 N., R.2 W.

Thence I run N.0° 14'E., with continuous measurement.

80.00 Set a sandstone, 20x12x6 ins., 15 ins. in the ground, for
of secs. 15 and 24, marked with 3 notches on N. and S. edg
from which

A cedar 5 ins. diam., bears S.67°W., 29 lks. dist.,
marked T 1 N R 2 W S 24 B.T.

A cedar, 8 ins. diam., bears N.25°W., 30 lks. dist.,
marked T 1 N R 2 W S 13 B.T.

Land, rolling.

Soil, rocky 3rd. rate.

Timber, cedar and pinon..

Heavily timbered land on 80.00 chs.

September 2: At this cor. I set off 8°10'N. on decl. arc;
and at 12 M. l.m.t.; observe the sun on the meridian,
the resulting lat. is 40°29'N.

N.0°14'E., along east bdy.sec.13.

Over rocky land, descend through heavy cedar and pinon
timber.

4.30 Hollow, 50 ft. deep, course S.E.

Ascend.

18.40 Intersect 1/16 cor., which is a sandstone, 12x6x4 ins. abo
ground, marked and witnessed as described by the surveyor
general.

37.20 Leave timber, bears E. and W.

Enter dense artemisia.

38.17 Intersect old $\frac{1}{4}$ sec.cor., which is a sandstone, 10x4x4 ins
above ground, marked and witnessed as described by the
surveyor general.

I destroy all marks on this cor. and bearing trees that
pertain to T.1 N., R.2 W.

40.00 Set a trachyte stone, 15x12x8 ins., 10 ins. in the ground,
for $\frac{1}{4}$ sec.cor., for sec.13, marked $\frac{1}{4}$ on W.face,

EAST BDY. OF T.1 N., R.2 W.

CHAINS	
	from which
	A cedar, 12 ins. diam., bears N.63°W., 1.50 chs. dist., marked $\frac{1}{4}$ S. 13 B T..
	A cedar, 10 ins. diam., bears S.60°W., 1.38 chs. dist., marked $\frac{1}{4}$ S 13 B T.
45.75	Enter heavy cedar and pinon timber, bears E. and W.
53.00	Leave timber, bears N.E. and S.W.
58.00	Intersect 1/16 cor., which is a sandstone, 8x8x4 ins. above ground, marked and witnessed as described by the surveyor general.
68.00	Enter heavy cedar and pinon timber, bears N.E. and S.W.
73.50	Leave heavy timber, bears N.W. and S.E.
	Enter scattering timber.
77.88	Intersect the cor. of secs. 7-12-13 and 18, which is a sandstone, 10x8x6 ins. above ground, marked and witnessed as described by the surveyor general.
	I destroy all marks on the cor. and bearing trees, that pertain to T.1 N., R.2 W.
	Thence I run N.0°10'W., with continuous measurement.
80.00	Set a sandstone, 18x14x10 ins., 12 ins. in the ground, for cor. of secs. 12 and 13, marked with 4 notches on S. and 2 notches on N. edges, from which
	A pinon 4 ins. diam., bears S.41°W., .21 lks. dist., marked T 1 N R 2 W S 13 B T.
	A cedar, 5 ins. diam., bears N.3°W., 1.41 chs. dist., marked T 1 N R 2 W S 13 B T.
	Land, rolling.
	Soil, rocky 3rd. rate.
	Timber, cedar and pinon.
	Heavily timbered, land or dense undersgrowth on 20.00 chs.

EAST BDY:OF T.1 N., R.2 W.

CHAINS

N.0° 10'W., along E.bdy.sec.12.

Over rocky land ascend through dense artemisia and scattering cedar timber.

17.80 Intersect 1/16 cor., which is a sandstone, 12x10x6 ins. above ground, marked as described by the surveyor general.

37.64 Intersect old $\frac{1}{4}$ sec.cor., which is a sandstone, 12x8x4 ins. above ground, marked and witnessed as described by the surveyor general.

I destroy all marks on this cor. and bearing trees that pertain to T.1 N., R.2 W.

40.00 Set a trachyte stone, 20x12x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor. for sec.12, marked $\frac{1}{4}$ on W.face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable:

43.25 Enter heavy cedar and pinon timber, bears N.W. and S.E.

57.58 Intersect 1/16 cor., which is a sandstone, 10x8x4 ins., above ground, marked and witnessed as described by the surveyor general.

77.38 Intersect cor.of secs.1-6-7 and 12, which is a sandstone 12x10x5 ins. above ground, marked and witnessed as described by the surveyor general.

I destroy all marks on the cor. and bearing trees that pertain to T.1 N., R.2 W.

80.00 Set a trachyte stone, 18x14x12 ins., 12 ins. in the ground, for cor.of secs.1 and 12, marked with 5 notches on S. and 1 notch on N.edge, from which

A cedar, 8 ins.diam., bears N.28°W., 50 lks.dist., marked T 1 N R 2 W S 1 B T.

A cedar, 6 ins.diam., bears S.41°W., 57 lks.dist., marked T.1 N R' 2 W S 12 B T.

Land, rolling.

Soil, rocky, 3rd.rate.

Timber, cedar and pinon.

Heavily timbered, land or dense undergrowth on 80.00 chs.

EAST BDY.OF T.1 N.,R.2 W.

CHAINS

N.0° 10' E., along E.bdy.sec.1.

Over rocky land, ascend through heavy cedar and pinon timber.

17.30 Intersect 1/16 cor., which is a sandstone, 10x8x4 ins., above ground, marked and witnessed as described by the surveyor general.

37.09 Intersect old $\frac{1}{4}$ sec.cor., which is a sandstone, 12x10x4 ins. above ground, marked and witnessed as described by the surveyor general.

I destroy all marks on this cor. and bearing trees that pertain to T.1 N., R.2 W.

40.00 Set a trachyte stone, 16x12x8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, from which
A cedar, 7 ins. diam., bears S.23°W., 31 lks.dist., marked $\frac{1}{4}$ S 1 B T.

A cedar, 8 ins. diam., bears N.76°W., 38 lks.dist., marked $\frac{1}{4}$ S 1 B T.

56.83 Intersect 1/16 cor., which is a sandstone, 16x10x6 ins. above ground, marked and witnessed as described by the surveyor general.

76.77 Intersect cor.of Tps.1 and 2 N., Rs.1 and 2 W., heretofore described.

Land, rolling.

Soil, rocky 3rd.rate.

Timber, cedar and pinon.

Heavily timbered land on 76.87 chs.

September 3, 1903.

For general description, see subdivisions of
T.1 N., R.2 W.

BOUNDARIES OF T.1 N., R.2 W.

Latitudes, departures and closing errors.

Lin Designated	True Bearing	Distance	Latitudes N. S.	Departu E.
<u>Uintah Special</u>				
Base	West	480.00		
T.1 N. R.2 W.				
W Bdy.	North	476.25	476.25	
N Bdy.	East	482.25		482.25
T.1 N. R.1 W.				
W.Bdy.. ec.6	S.0°10'W..	79.39		
" ec.7	S.0°10'W..	79.50		79.39
" ec.18	S.0°14'W..	79.40		79.50
" ec.29	S.0°17'W..	79.45		79.40
" ec.30	S.0°26'W..	79.55		79.46
" ec.31	S.0°26'W..	79.48		79.55
				79.48
Conver ency				0.62
<hr/>				
Totals		476.25	476.77	482.87
			476.25	482.41
<hr/>				
Er or in lat.and dep.			0.52	0.46

U.S. DEPUTY SURVEYOR

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____,

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____,

showing the respective capacities in which they acted:

For final affidavits see book "No. J. I. Jr. R. W.", Chairman.

Chairman.

Moundman.

Axman.

Axman.

Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____,

United States Deputy Surveyor, in surveying all those parts or portions of the _____,

of the _____,

meridian, _____, of _____,

which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____,

For final affidavits see book "No. J. I. Jr. R. W.", Chairman.

Chairman.

Moundman.

Axman.

Axman.

Flagman.

scribed and sworn to before me this _____
day of _____, 190 _____,



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavits see book No. 31 dr R. W.

of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190_____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah April 10, 1904

The foregoing field notes of the survey of _____, West, South and East
Boundaries Townships 1 through Range 2 West of the
Utah Special Base and Meridian, _____

executed by *Hearry D. West*
under his contract No. *266*, dated *July 20 - 1903*, 190_____, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Edward F. Anderson
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-304

FIELD NOTES

OF THE SURVEY OF THE

Utah Special Base Line

through

Range No. 3 West

of the Utah Special Basend Meridian,
in the State of Utah

AS SURVEYED BY

Harvey D. Keist, United States Deputy Surveyor
Under his Contract No. 766, dated July 20 - 1903, 189

Survey commenced September 3 - 1903, 189

Survey completed September 6 - 1903, 189

6-161

High. 6-00 50'

day - 6-00'

NAMES AND DUTIES OF ASSISTANTS.

Carl Moller	Chairman
Alma Johnson	
William McLean	
George Kofford	
Harry Payne	Clerk
Joseph Erickson	Flagman
Elmer Johnson	Missionary

For preliminary affidavits see book "A" J.1 dt R.2 W

BOOK A-304

INDEX DIAGRAM.

Township 1 N., Range 3 W.

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31	32	33	34	35	36
9	3	5	6	7	8

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
 do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
 day of , 189 }



WE, and
 do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
 day of , 189 }



WE, and
 do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
 day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
 day of , 189 }



UINTAH SPECIAL BASE THROUGH RANGE 3 W.

Chains.

Survey commenced Sept. 3rd, 1903, and executed with the instrument described in book "A" of this survey.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows: On the Uintah Special Base, at the base of line cor. of T. 1 N., R. 2 and 3 W., set by me Aug. 26th, 1903, approximate latitude $40^{\circ}26'20''$ N., longitude $110^{\circ}11'08''$ W., I set off $40^{\circ}26'N.$ on the lat. arc; $7^{\circ}45'N.$ on the decl. arc; and at 4h p.m., l.m.t., determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5 chs. N. of my station.

At 8h 41m. p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

Sept. 3, 1903.

Sept. 4: At 6 a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}35'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone set yesterday, on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 7 a.m., i.m.t., I set off $40^{\circ}26'N.$ on the lat. arc; $7^{\circ}31'N.$ on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone, already set 5 chs. N. of my station; this mark falls 0.3 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0'21''$ west, and $0'16''$ east of the meridian established by the Polaris observations; therefore I conclude that the

UINTAH SPECIAL BASE THROUGH RANGE 3 W.

Chains.

adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7 a.m., is N. $16^{\circ}45'W.$; the angle thus determined gives the mag.decl. $16^{\circ}45'E.$

From the base line Tp.cor.already described, I run west on a random line, with two sets of chainmen, setting temporary $\frac{1}{4}$ sec.and sec.cors., at intervals of 40.00 chs.; and at 480.50 chs., intersect the range line bet.Ranges 3 and 4 W., 6 chs.N.of the base line cor.of Tps.1 N., Rs.3 and 4 W., which is a sandstone, 12x12x6 ins.above ground, marked and witnessed as described by the surveyor general.

This falling exceeds the limit; therefore I establish the random as a true.line as follows:

I destroy all marks on the old/base.line cor.of Tps. 1 N.,Rs.3 and 4 W.,that pertain to R.3 W. Then at a point 6.00 chs.N.of this cor.,I set a closing cor.for Tps. 1 N. and 1 S.,R.3 W.,as follows:

Set.a trachyte stone,20x12x8 ins.,15 ins.in the ground, for closing cor.to Tps.1 N.and 1 S.,R.3 W.,marked C C on E.;with 6 grooves on the N,S.,and E.faces;from which

A pinon,8 ins.diam.,bears S. $19^{\circ}E.$,34 lks.dist., marked T 1 S R 3 W S 6 B T.

A pinon,10 ins.diam.,bears N. $55^{\circ}E.$,46 lks.dist., marked T 1 N R 3 W S 6 B T.

I destroy all marks on the closing cor.of T.1 S.,Rs.3 and 4 W.;that pertain to R.3 W.,

September 4, 1903.

Sept.5th: At 7 a.m.,l.m.t.,I set off $40^{\circ}36'N.$ on the lat.arc; $7^{\circ}10'N.$ on the decl.arc;and determine a meridian with the solar at the closing.cor.of T.1 S. and 1 N.,R.3 W.Thence I run

East on S.bdy.sec.31.

Over rocky land ascend abruptly through heavy cedar and pinon timber.

UINTAH SPECIAL BASE THROUGH RANGE 3 W.

corner.

Difference between measurements of 40.50 chs. by 2 sets; of chainmen is 8 lks.; position of middle point

By 1st set, 40.54 chs.

By 2nd set, 40.46 chs., the mean of which is

40.50 Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for base line $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N.face; from which

A cedar, 8 ins. diam., bears N.80°W., 35 lks. dist., marked S C $\frac{1}{2}$ S B T.

A pinon, 15 ins. diam., bears N.56°E., 73 lks. dist., marked S C $\frac{1}{4}$ S B T.

Difference between measurements of 80.50 chs., by two sets of chainmen is 6 lks.; position of middle point

By 1st set, 80.53 chs.

By 2nd set, 80.47 chs., the mean of which is

80.50 Set a trachyte stone, 18x10x5 ins., 12 ins. in the ground, for base line cor. of secs. 31 and 32, marked S C on N.; with 5 grooves on the E., and 1 groove on the W.face; from which

A cedar, 8 ins. diam., bears N.57°E., 72 lks. dist., marked " T 1 N R 3 W S 32 B T.

A cedar, 10 ins. diam., bears N.58°W., 57 lks. dist., marked " T 1 N R 3 W S 31 B T.

Land, mountainous.

Soil rocky third rate.

Timber cedar and pinon.

Mountainous and heavily timbered land on 80.50 chs.

East on S:bdy.sec.32.

Over rocky land, descend through heavy cedar and pinon timber.

22.00 Bottom of ravine, 200 ft. deep, course S.E.

Begin abrupt ascent.

34.00 Top of ridge bears N.W. and S.E.

WINTON SPECIAL EAST THROUH RANGE S. N.

SUN 153.

Pecosabi.

Difference between measurements of 40.00 chs. by two sets of chainmen is 10 lbs.; position of middle point

By 1st set, 40.05 chs.

By 2nd set, 39.95 chs., the mean of which is
40.00 Set a trachyte stone, 15x12x8 ins., 10 ins. in the ground,
for base line & sec.cor., marked S C $\frac{1}{2}$ on N.face; from which
A pinon, 15 ins. diam., bears N.81°E., 36 lbs. dist.,
marked S C $\frac{1}{2}$ S B T.

A cedar, 12 ins. diam., bears N.61°W., 37 lbs. dist.,
marked S C $\frac{1}{2}$ S B T.

45.00 Begin abrupt descent, bearing N.W. and S.E.

75.50 Bottom of ravine, 200 ft. deep, course S.E.

Begin abrupt ascent.

Difference between measurements of 80.00 chs. by two sets
of chainmen is 8 lbs.; position of middle point

By 1st set, 80.04 chs.

By 2nd set, 79.96 chs., the mean of which is
80.00 Set a trachyte stone, 18x12x10 ins., 12 ins. in the ground,
for base line cor.of secn. 22 and 32, marked S C on N.;
with 4 grooves on the E. and 2 grooves on the W. face;
from which

A cedar, 5 ins. diam., bears N.48°E., 37 lbs. dist.,
marked S C 1 M P Z W C 37 B T.

A cedar, 7 ins. diam., bears N.25°W., 39 lbs. dist.,
marked S C 1 M P Z W C 39 B T.

Top of first ridge.

Top of second ridge.

Top of third ridge.

Right corner of heavily timbered bank on 80.00 chs.

Left, straight line 2 m., left off "secn. 1" on the trail, arc;
at 80.00 chs. a.s.l. m.t., observe the sun on the
N. side until it reaches the top of the ridge.

Date on July 26, 1900.

UINTAH SPECIAL BASE THROUGH RANGE 3 W.
 main . *Fa S Bad Sc 3*

- Over rocky land, ascend through heavy cedar and pinon timber.
- 3.00 Top of ridge bears N.W. and S.E.
 Begin abrupt descent.
- 14.00 Bottom of ravine, 150 ft. deep, course S.E.
 Begin abrupt ascent.
- 18.00 Top of spur projects S.
 Begin abrupt descent.
- 26.50 Bottom of ravine, 150 ft. deep, course S.E.
 Begin abrupt ascent..
- 35.00 Top of ridge bears N.W. and S.E.
 Descend.
 Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point
 By 1st set, 40.04 chs.
 By 2nd set, 39.96 chs., the mean of which is
- 40.00 Set a trachyte stone, 16x12x8 ins., 11 ins. in the ground, for base line $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{2}$ on N. face; from which
 A cedar, 6 ins. diam., bears N. 18° E., 11 lks. dist., marked S C $\frac{1}{4}$ S B T.
 A cedar, 12 ins. diam., bears N. 41° W., 54 lks. dist., marked S C $\frac{1}{4}$ S B T.
- 69.00 Begin abrupt descent, bearing N.W. and S.E.
- 74.50 Bottom of hollow, 100 ft. deep, course S.E. Ascend.
 Difference between measurements of 80.00 chs. by two sets of chainmen is 12 lks.; position of middle point .
 By 1st set, 80.06 chs.
 By 2nd set, 79.94 chs., the mean of which is
- 80.00 On top of ridge, bearing N.W. and S.E.
 Set a trachyte stone, 18x12x8 ins., 12 ins. in the ground, for base line cor. of secs. 33 and 34; marked S C on N., with 3 grooves on the E. and W. faces, from which
 A cedar, 5 ins. diam., bears N. 57° E., 36 lks. dist., marked S C T 1 N R 3 W S 34. B T.
 A cedar, 5 ins. diam., bears N. 78° W., 5 lks. dist.,

UINTAH SPECIAL BASE THROUGH RANGE 3 WEST.

Chains.

marked T 1 N R 3 W S 33 B T.

Land, mountainous.

Soil, rocky; third rate.

Timber, cedar and pinon.

Mountainous and heavily timbered land on 80.00 chs.

East on S.bdy.sec.74.

Over rocky land descend through heavy cedar and pinon timber.

5.00 Leave heavy timber, bearing N.W. and S.E.

Enter dense artemisia.

29.00 Bottom of hollow, 200 ft. below base line cor., course N.E.

Ascend.

31.00 Enter heavy cedar and pinon timber, bearing N. and S. Ascend.

37.00 Top of spur projects N. Begin abrupt descent.

Difference between measurements of 40.00 chs. by two sets of chainmen is 8. lks.; position of middle point

By 1st set, 40.04 chs.

By 2nd set, 39.96 chs., the mean of which is

40.00 Set a trachyte stone, 18x12x6 ins., 12 ins. in the ground, for base line $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N.face; from which

A cedar, 8 ins. diam., bears N.32°W., 15 lks. dist.,

Marked S C $\frac{1}{4}$ S B T.

A cedar, 12 ins. diam., bears N.22°E., 55 lks. dist.,

marked S C $\frac{1}{4}$ S B T.

68.00 Leave heavy timber, bearing N.W. and S.E.

77.50 Bottom of hollow, 300 ft. below top of spur, course S.E.

Ascend.

Difference between measurements of 80.00 chs. by two sets of chainmen is 14 lks.; position of middle point

By 1st set, 80.07 chs.

By 2nd set, 79.93 chs., the mean of which is

80.00 Set a trachyte stone, 18x6x5 ins., 12 ins. in the ground, for base line cor. of secs. 34 and 35, marked S C on N.; with 4 grooves on the " and 3 grooves on the E.face;

UINTAH SPECIAL BASE THROUGH RANGE 3 WEST.

Chains.

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky; third-rate.

Timber cedar and pinon.

Mountainous or heavily timbered land or dense undergrowth on 80.00 chs.

Sept. 5, 1903.

Sept. 6th: At 7a.m., l.m.t., I set off $40^{\circ}36'N.$ on the lat. arc; $6^{\circ}57'N.$ on the decl. arc; and determine a meridian with the solar at the cor. of secs. 34 and 35.

Thence I run

East on S.bdy.sec.35.

Ascend through dense artemisia.

5.00 Top of ridge bears N.W. and S.E.

Descend.

Enter scattering cedar timber.

10.00 Leave timber.

Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point

By 1st set, 40.05 chs.

By 2nd set, 39.97 chs., the mean of which is

40.00 Set a trachyte stone, $18 \times 12 \times 10$ ins., 12 ins. in the ground, for base line $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N.face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Pits impracticable.

Foot of descent bears N. and S.

Enter level land.

46.00 Leave level land.

Ascend.

Difference between measurements of 80.00 chs. by two sets of chainmen is 14 lks.; position of middle point

By 1st set, 80.07 chs.

By 2nd set, 79.93 chs., the mean of which is

UNITAH SPECIAL BASE THROUGH RANGE 3 W.

Chains.

- 80.00 Set a trachyte stone, 16x10x6 ins., 11 ins. in the ground, for base line cor. of secs. 35 and 36, marked S C on N.; with 5 grooves on the W. and 1 groove on the E. face; and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
- Land, rolling.
- Soil, gravelly, third rate.
- Timber, cedar.
- Dense undergrowth on 80.00 chs.

East on S. bdy. sec. 36.

Ascend over rocky land through dense artemisia.

- 13.00 Enter heavy cedar and pinon timber, bearing N. and S. Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point

By 1st set, 40.04 chs.

By 2nd set, 39.96 chs., the mean of which is

- 40.00 Set a trachyte stone, 16x10x8 ins., 11 ins. in the ground, for base line $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{4}$ on N. face; from which A cedar, 6 ins. diam., bears N. 79°W., 42 lks. dist., marked S C $\frac{1}{4}$ S B T.
A cedar, 9 ins. diam., bears N. 30°W., 1.04 chs. dist., marked S C $\frac{1}{4}$ S B T.

- 44.00 Top of ridge bears N. and S.

Descend.

- 49.00 Leave heavy timber, bearing N. and S.

Enter bottom of hollow, course S.

- 51.00 Wash, 25 ft. wide, 5 ft. deep, course S.

- 61.75 Leave bottom of hollow.

Ascend.

Enter heavy cedar and pinon timber, bearing N. and S.

- 80.00 The base line cor. of Tps. 1 N., Rs. 2 and 3 W., heretofore described.

Land, mountainous.

Soil, rocky; third rate.

Timber, cedar and pinon.

LINCOLN SPECIAL RANGE THRUOUT RANGE 2 N.

SIGHTS.

MOUNTAINOUS OR HEAVILY TIMBERED LAND, OR DENSE UNDERGROWTH
ON 60.00 CHM.

Sept. 6th: At thin cor., I set off 600' N. on the decl. arc;
and at 11h 50m a.m., loc.t., observe the sun on the merid-
ian; the resulting lat. is 40°26' N.

For general description, see publications of U.S. G. S. W.

W. C. H. Smith, Surveyor.

U.S. Army Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, a marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

For final affidavits see book "L" J. Dr. R. L. W. *Chairman.*

_____, *Chairman.*

_____, *Moundman*

_____, *Moundman*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

For final affidavits see book "L" J. Dr. R. L. W. *Chairman.*

_____, *Chairman.*

_____, *Moundman*

_____, *Moundman*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

Subscribed and sworn to before me this _____
day of _____, 189 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, bearing date of the _____, United States Surveyor General for _____, day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final affidavit see book "L" J. J. R. L. W.

of the _____ meridian, in the _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189 }

○○○○○
○ SEAL ○
○○○○○

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah April 19, 1904, 189

The foregoing field notes of the survey of the Uintah Special Base Line through Range 3 West of the Uintah Special Base and Meridian, Utah

executed by _____, *Harvey D. West*, under his contract No. 266, dated *July 20 - 1903*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Alderson
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____ has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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*Ex-A
H.H.A.*

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D
BOOK A-304

FILED

JAN 12 1904

*H.H.A.
J.W.B.*

L.H.

FIELD NOTES

OF THE SURVEY OF THE

21st Parallel Meridian

*Sixth Township No. 1 North
Range No. 3 West*

*of the Thirtieth Special Base Meridian,
in the State of Utah*

AS SURVEYED BY

Harvey D. Hurl, United States Deputy Surveyor,

Under his Contract No. 266, dated January 26, 189

Survey commenced September 1, 1893, 189

Survey completed October 5, 1893, 189

6-151

*Spd 5.78.60
Cldg 260+*

NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley Chairman
William Walquist " "
Alvin Johnson Management
Harry Payne " "
Joseph Erickson Flying ~~independent~~

For preliminary affidavits see book "F". J. Idr. R. 27W

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Volume

#

R0304

BOOK A-304

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



NORTH BDY.OF T.L.N.,R.3^{W.}

Survey commenced, September 6, 1903, and executed with the instrument described in book "A" of this survey.

At the cor.to Tps.1 and 2 N.,Rs.2 and 3 W., established by me August 29, 1903, in approximate latitude $40^{\circ}31'33''$ N., longitude $110^{\circ}11'08''$ W., I set off $40^{\circ}32'$ N.on lat.arc; $6^{\circ}38'$ N.on decl.arc; and at 4 p.m., l.m.t., determine a meridian with the solar, and mark a point thereof on a stone, firmly set in the ground, 5.00 chs.N.of my station.

At 8h.30m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs.N.of my station.

September 6, 1903.

September.7: At 6 a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}35'$ to the west, and mark the meridian thus determined, by cutting a small groove in the stone, set last evening, on which the meridian falls 0.3 ins.east of the mark determined by the solar.

At .7 a.m., l.m.t., I set off $40^{\circ}32'$ N.on lat.arc; $6^{\circ}25'$ N.on decl.arc; and mark a point in the meridian determined with the solar, by a cross on the stone, already set 5.00 chs.N. of my station; this mark falls 0.3 ins.east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0^{\circ}16'$ west and east of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7 a.m. is $N.16^{\circ}38'W.$, the angle thus determined gives the magnetic declination $16^{\circ}38'E.$.

From the cor.of Tps11 and 2 N.,Rs.2 and 3 W., heretofore described, I run

NORTH BDY.OF T.1 N.,R.3 W.

CHAINS

West, on a random line, along the N.bdy.of T.1 N.,R.3 W., setting temp. $\frac{1}{2}$ sec.and sec.cor.s at intervals of 40.00 chs. and at 478.60 chs. intersect the extension north of the range line bet.Rs.3 and 4 W., 4.60 chs.north of the old established cor.to Tps.1 and 2 N.,Rs.3 and 4 W., which is a sandstone 12x10x5 ins.above ground,marked and witnessed as described by the surveyor general.

As the falling exceeds 21° of arc,I establish random as true line.

I destroy all marks on the old Tp.cor.that pertain to R.3 W. and at my intersection with the range line,I set a trachyte stone,30x12x8 ins.,15 ins.in the ground for closing cor.for Tps.1 and 2 N.,R.3 W.,marked C C on E., with 6 grooves on N.S.and E.faces,
from which

A pine 6 ins.diam.,bears N.55°E.,1.21 chs.dist.,
marked T 2 N R 3 W S 31 B T.

A pine,6 ins.diam.,bears S.79°E.,94 lks.dist.,
marked T 1 N R 3 W S 6 B T.

September 7,1903.

September 8: At 7 a.m.,l.m.t.,I set off 40°53'N.on lat.
arc;6°03'N.on decl.arc;and determine a meridian with the
solar at the closing cor.to Tps.1 and 2 N.,R.3 W.
Thence I run

East,bet.secs.6 and 31.

Over rocky land,descend through dense artemisia,scattering service berry brush and pines.

30.00 Bottom of hollow,50 ft.deep,course S.E.

Ascend.

34.00 Top of low ridge,bears N.W. and S.E.

Leave timber.

Descend.

38.60 Set a trachyte stone,15x12x8 ins.,10 ins.in the ground,

(3)

NORTH BDY.OF T.1.N.,R.3 W.

CHAINS

for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.

Pits impracticable.

- 78.60 Set a trachyte stone, 18x10x6 ins., 12 ins.in the ground, for cor.of secs.5-6-31 and 32,marked with 5 notches on E. and 1 notch on W.edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft .high,W.of cor.

Pits impracticable.

Land rolling.

Soil,rocky 3rd.rate.

Timber, scattering yellow pine.

Dense undergrowth on 78.60 chs.

East,bet :secs.5 and 32.

Over rocky land,descend through dense artemisia and service berry brush.

- 32.20 Hollow,50 ft.deep, course S.E.

Ascend..

- 40.00 Set a trachyte stone, 16x12x5 ins., 11 ins.in the ground, for $\frac{1}{4}$ sec.cor.,amrked $\frac{1}{4}$ on N.face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft .high,N.of cor.

Pits impracticable.

- 50.00 Top of ridge,bears N.W.and S.E.

Descend.

- 80.00 Set a trachyte stone, 18x12x8 ins., 12 ins.in the ground, or cor.of secs.4-5-32 and 33,marked with 4 notches on E.and 2 notches on W.edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft .high,W.of cor.

Pits impracticable.

Land rolling.

Soil,rocky 3rd.rate.

No timber.

Dense undergrowth on 80.00 chs.

NORTH BDY.QF T.1 N., R.3 W.

CHAINS

EAST,bet.sec.4 and 33.

Over rocky land,descend through dense artemisia and service berry brush.

3.50 Hollow,100 ft.deep,course S.E.

Ascend.

35.50 Top of ridge,bears N.W.and S.E.

Begin abrupt descent.

40.00 Set a trachyte stone,24x18x6 ins.,12 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face, and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,N.of cor.

Pits impracticable.

42.00 Foot of abrupt descent,bears N.W.and S.E.

Begin gradual descent.

68.00 Enter heavy pine timber,bears N.W.and S.E.

80.00 Set a trachyte stone,24x10x6 ins.,18 ins.in the ground, for cor.of secs.3-4-33 and 34,marked with 3 notches on E.and W.edges,from which

A cottonwood,10 ins.diam.,bears N. 70° E.,40 lks.dist., marked T 2 N R 3 W S 34 B T.A pine,10 ins.diam.,bears S. 21° E.,36 lks.dist., marked T 1 N R 3 W S 3 B T.A pine,14 ins.diam.,bears S. 39° W.,1.23 chs.dist., marked T 1 N R 3 W S 4 B T.A pine,7 ins.diam.,bears N. 84° W.,30 lks.dist., marked T 2 N R 3 W S 33 B T.

Land,rolling.

Soil,rocky,3rd.rate.

Timber,heavy yellow pine on 12.00 chs.

Heavily timbered or dense undergrowth on 80.00 chs.

September 8: At this cor.I set off $5^{\circ}57'$ N.on decl.arc;at 11h.58m.,a.m.,l.m.t.,observe the sun on the meridian, the resulting lat.is $40^{\circ}32'$ N.

NORTH BDY.OF T.L.N.,R.2.W.

CHAINS

East,bet.secs.3 and 34.

Descend through heavy pine and scattering cottonwood timber.

- 5.00 Leave timber,bears N.W.and S.E.
Enter dense artemisia, and a scattering service berry brush.
- 40.00 Set a trachyte stone,18x8x8 ins.,12 ins.in the ground,for
 $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face, and raise a mound of stone
2 ft.base,1 $\frac{1}{2}$ ft.high,N.of cor.
Pits impracticable.
- 55.00 Enter heavy aspen and pine timber,bears N.W.and S.E.
- 63.00 Leave timber,bears N.W.and S.E.
- 76.00 Hollow,100 ft.deep, course S.E.
Ascend.
- 80.00 Set a quartzite stone,18x11x7 ins.,12 ins.in the ground,
for cor.of secs.2-3-34 and 35,marked with 2 notches on E.
and 4 notches on W.edges, and raise a mound of stone,2
ft.base,1 $\frac{1}{2}$ ft.high,W.of cor.
Pits impracticable.
Land rolling.
Soil,rocky 3rd,rate.
Timber,heavy yellow pine and aspen.
Heavy timbered or dense undergrowth on 80.00 chs.

East,bet.secs.3 and 35.

Over rocky land,ascend through dense artemisia, and
scattering service berry brush.

- 30.00 Begin abrupt ascent,bears N.W.and S.E.
- 40.00 Set a quartzite stone,18x10x6 ins.,12 ins.in the ground,
 $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face, and raise a mound of
stone,2 ft.base,1 $\frac{1}{2}$ ft.high,N.of cor.
Pits impracticable.
- 59.00 Top of ridge,300 ft.above sec.cor.,bears N.W.and S.E.
Descend.
- 80.00 Set a quartzite stone,15x12x6 ins.,10 ins.in the ground,

NORTH BDY.OF T.1 N., R.3 W.

CHAINS

for cor.of secs.1-2-35 and 36,marked with 1 notch on E. and .5 notches on W.edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,W.of cor.

Pits impracticable.

Land mountainous,

Soil,rocky 3rd.rate.

No timber.

Mountainous land and dense undergrowth on 80.00 chs.

East,bet.secs.1 and 36.

Over rocky land,descend through dense artemisia, and scattering service berry brush.

10.00 Head of hollow, course S.E.

20.00 Top of ridge,bears N.W. and S.E.

Begin abrupt descent.

40.00 Set a trachyte stone, 16x13x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,N.of cor.

Pits impracticable.

66.00 Bottom of hollow, 250 ft. below top of ridge, course S.E.

Ascend.

80.00 Intersect cor.of Tps.1 and 2 N., Rs.2 and 3 W., heretofore described.

Land,mountainous.

Soil,rocky 3rd.rate.

No timber.

Mountainous land and dense undergrowth on 80.00 chs.

September 8, 1903.

For general description, see subdivisions of
T.1 N., R.3 W.

BOUNDARIES OF T.1 N., R.3 W.

Latitudes, departures and closing errors.

Line Designated	True Bearing	Distance	Latitudes		Departures	
			Obs	Obs	E.	W.
Vintah Special Base	: West	: 480.50				: 480.50
T.1 N., .4 W.						
E.Bdy. sec.36.: North		: 33.75	: 33.75			
" : N.0°26'E.		: 39.94	: 39.94		: 0.33	
" : 25. : N.0°28'E.		: 79.88	: 79.88		: 0.65	
" : 24. : N.0°28'E.		: 79.88	: 79.88		: 0.65	
" : 13. : N.0°32'E.		: 39.78	: 39.78		: 0.45	
" : 13. : N.0°39'W.		: 39.81	: 39.81			: 0.45
" : 12. : North		: 79.30	: 79.30			
" : 1. : North		: 79.90	: 79.90			
T.1 N., .3 W.						
W.Bdy. sec.6.: North		: 4.60	: 4.60			
T.1 N., .3 W.						
U.Bdy : East		: 478.60			: 478.60	
E.Bdy : South		: 476.25		: 476.25		
Convergency						: 0.62
Totals			: 476.84	: 476.25	: 481.30	: 480.95
				: 476.25		: 480.95
Error in lat. and dep.					: 0.59	
						- 0.35

Henry D. Hart
U.S. DEPUTY SURVEYOR.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

For final affidavits see book "B". J. D. R. W., Chainman.

J. D. R. W., Chainman.

Moundman.

Moundman.

Axman.

Axman.

Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

Chainman.

Moundman.

Moundman.

Axman.

Axman.

Flagman.

Subscribed and sworn to before me this _____

day of _____, 189 _____



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, bearing date of the United States Surveyor General for _____, day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final affidavits see book 26, J. 1 dr R 6 W.

of the _____ meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189 }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, July 20, 1903

The foregoing field notes of the survey of _____, the North Boundary of Town-ship 1 North, Range 3 West of the Uintah Special Base and Meridian, Utah

executed by _____, No. 266, dated July 20, 1903, 189_____, having been under his contract No. 266, dated July 20, 1903, 189_____, critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward K. Anderson
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-304*Wolff*

FIELD NOTES

OF THE SURVEY OF THE

Utah Special Base Line
through
Range No. 5 West.

of the Utah Special Base and Meridian,
in the State of Utah.

AS SURVEYED BY

Harry D. Heist, United States Deputy Surveyor,

Under his Contract No. 266, dated July 20, 1903, 189

Survey commenced Sept 8, 1903, 189

Survey completed Sept 9, 1903, 189

6-161

k. o. 39-971

NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley Chairman
Alma Johnson " "
William Walquist " "
George Kofford " "
Harry Payne Axman
Joseph Erickson Flagman
Alma Johnson Mountaineer
For preliminary affidavits see book "A" J. I or R. 2 W.

BOOK A-304

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Meanders Page.

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
 do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____
 day of _____, 189 _____ }



WE, _____ and _____
 do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
 day of _____, 189 _____ }



WE, _____ and _____
 do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
 day of _____, 189 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____
 day of _____, 189 _____ }



UINTAH SPECIAL BASE LINE, through RANGE 5 WEST.

Survey commenced, September 8, 1903, and executed with the instrument described in book " A ", of this survey.

I examine the adjustments of the transit, and correct the level and collimation errors; then to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris,

I proceed as follows:

At the old established $\frac{1}{4}$ sec.cor.on the S.bdy.of sec.31, T.1 N., R.5 W., on the Uintah Special Base Line, which is a sandstone, 8x8x6 ins. above the ground, marked as described by the surveyor general, in approximate latitude $40^{\circ}26'N.$, longitude $110^{\circ}31'W.$, I set off $40^{\circ}26'N.$ on lat.arc; $5^{\circ}53'N.$ on decl.arc; and at 4 p.m., l.m.t., determine a meridian with the solar, and mark a point in the line thus determined on a stone, firmly set in the ground, 5.00 chs.N. of my station.

At 8h.22m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs.N. of my station.

September 8, 1903.

September 9,: At 6 a.m., I lay off the azimuth of Polaris, $1^{\circ}35'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone, set last evening, on which the meridian falls 0.3 ins. east of the mark determined by the solar.

At 7 a.m., l.m.t., I set off $40^{\circ}26'N.$ on lat.arc; $5^{\circ}40'W.$ on decl.arc; and mark a point in the meridian determined with the solar, by a cross on the stone, already set 5.00 chs.N. of my station; this mark falls 0.3 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, $0^{\circ}16'$ west and east of the

UINTAH SPECIAL BASE LINE, through RANGE 5 WEST.

CHAINS

meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7 a.m., is N. $16^{\circ}43'W.$, the angle thus determined, gives the magnetic declination $16^{\circ}43'E.$

From the $\frac{1}{2}$ sec.cor.on S.bdy.of sec.31, heretofore described.

I run

West, on the S.bdy.sec.31.

Ascend through dense artemisia.

20.00 Intersect 1/16 cor., which is a sandstone, $12x7x7$ ins.above ground, marked as described by the surveyor general.

31.94 I destroy all traces of the witness cor.to Base Line cor. of T.1 N., Rs.5 and 6 W.

22.00 Top of ridge, bears N.and S.

Begin abrupt descent over sandstone ledges, bearing N.and S.

Enter scattering cedar and pinon timber.

36.00 Bottom of hollow, 600 ft.below top of ridge, course S.W. Ascend.

Difference bet.measurement of 40.00chs., by two sets of chainmen, is 8 lks., position of middle point,

By 1st.set, 40.04 chs.,

By 2nd.set, 39.96 chs., the mean of which is

40.00 Set temp.base line cor.for T.1 N., Rs.5 and 6 W.

This cor.is set permanently this same day at 39.97 chs. and is described on the W.bdy.of T.1 N.R.5 W.

Land,mountainous.

Soil,sandy loam on 30.00 chs., 1st.rate.

balance,rocky 4th.rate.

Timber,cedar and pinon.

Mountainous land on 39.97 chs.

UINTAH SPECIAL BASE LINE, through Range 5 West.

GENERAL DESCRIPTION

This half mile is the only part of the Uintah Special Base Line, not surveyed under a previous survey, the first part runs over rolling country and the balance fall in the breaks along the east side of Rock Creek Canon.

Harvey L. Head
U.S. DEPUTY SURVEYOR.

Volume

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by
 United States Deputy Surveyor, to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of the survey of
 showing the respective capacities in which they acted:

....., Chainman.

....., Chainman.

For final affidavits see book "L.J. Idr. R. b/w", Moundman.

....., Moundman.

....., Axman.

....., Axman.

....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted
 United States Deputy Surveyor, in surveying all
 those parts or portions of the

..... of the

..... meridian, of which are represented
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor

General for , Chainman.

For final affidavits see book "L.J. Idr. R. b/w", Moundman.

....., Moundman.

....., Axman.

....., Axman.

....., Flagman.

Subscribed and sworn to before me this }
 day of , 189 }



OATH OF UNITED STATES DEPUTY SURVEYOR.

10. *Leucosia* *leucostoma* *leucostoma* *leucostoma* *leucostoma* *leucostoma* *leucostoma*

14. *Phragmites australis* C. Nees

卷之三

and I have written fully, and briefly, in my own
handwriting, for the benefit of the United States Surveyor
General, the following notes on the lines of the

Digitized by srujanika@gmail.com

19. 10. 1962 - 1963. 10. 1962 - 1963.

... I will be more and more
inclined to do what I have done, namely
to make a speech to the people with
the proposed alterations to the United States Survey of
the Mississippi river, divide the United States, and that
I will do it, if I am called to do it. I will suffer
any thing to be done to me, if I am called to do it.

Chlorophyll-Deficient Sarcocystis

1982-02-10 10:13:30

卷之三

APPROVAL.

THE INFLUENCE OF THE VENDEE ON THE REVOLUTION

Dear Sirs: We thank you very much for your kind gift of the *Sympathetic Nerve* from the *Spine* and *Brain* of a *Cat*. We will send you a *Specimen* of our *Spine* and *Brain* of a *Cat* as soon as we receive yours.

Station 5 Point
No. 65 - 1722 - 1000 feet

Georg Gottlieb

19. *Leucosia* *leucostoma* *leucostoma* *leucostoma* *leucostoma* *leucostoma*

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JAN 12 1904
*[Signature]*3.3.13:
FIELD NOTES

OF THE SURVEY OF THE

*West Boundary**Township No. 1 North**Ridge No. 5 West**of the Uintah Special First Meridian,
in the state of Utah*

AS SURVEYED BY

Harvey D. Keist, United States Deputy Surveyor,

Under his Contract No. 266, dated July 20-1903, 189

Survey commenced September 9-1903, 189

Survey completed September 9-1903., 189

G-161

High P. O. 0.06.

NAMES AND DUTIES OF ASSISTANTS.

Frank Hickey..... Clerk of Court
William McLean..... Sheriff
William Johnson..... Foreman of Juries
Henry Day..... Sheriff
George Johnson..... Sheriff

For preliminary affidavits see book "B". I.M.R. 2nd Ed.

BOOK A-304

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Meanders Page.

PRELIMINARY OATHS OF ASSISTANTS.

We, and do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this }
day of , 189 }



We, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this }
day of , 189 }



We, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this }
day of , 189 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this }
day of , 189 }



WEST BDY.OF T.1 N.,R.5 W.

CHAINS

Survey commenced, September 9.1903, and executed with the instrument described in book "A", of this survey.

I know from recent observations made Sept. 8 and 9, 1903, at the $\frac{1}{4}$ sec.cor.on the S.bdy.of sec.31,T.1 N.,R.5 W., and recorded in book "E", of this survey, the instrument to be in adjustment.

I begin at the temp.base line cor.for T.1 N.,Rs.5 and 6 W set by me this day..

At 10 a.m.,l.m.t., I set off $40^{\circ}26'N.$ on lat.arc; $5^{\circ}36'W.$ on decl.arc; and determine a meridian with the solar.

Thence I run

North, on a random line bet.secs.31 and 36.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.06 The old established cor.of secs.25-30-31 and 36, which is a sandstone, $13 \times 11 \times 4$ ins.above ground, marked as describe by the surveyor general, bears east, 3 lks.dist.

Sept. 9: At this cor.I set off $5^{\circ}34'N.$ on decl.arc, and at 11h.58m.,a.m.,l.m.t., observe the sun on the meridian, the resulting lat.is $40^{\circ}27'N.$

From the cor.of secs.25-30-31 and 36,I run

South, on a true line,

Bet.secs.31 and 36..

Over rocky land,ascend through dense artemisia.

5.35 Top of ridge,bears N.W.and S.E.

Begin abrupt descent over rocky and broken land, along steep west slope.

Enter heavy cedar and pinon timber,bears N.W.and S.E.

40.00 Set a sandstone $18 \times 12 \times 5$ ins.,12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face,from which

A pinon.12 ins.diam.,bears $S.2^{\circ}E.$,60 lks.dist., marked $\frac{1}{4}$ S 31 B T.

A pinon,15 ins.diam.,bears $N.58^{\circ}W.$,25 lks.dist., marked $\frac{1}{4}$,S 36 B T.

42.00 Bottom of hollow,500' ft.below top of ridge,course S.W.

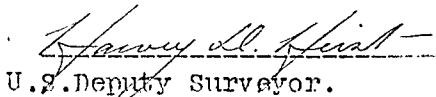
WEST BDY.OF T.1 N.,R.5 W.

CHAINS	Begin abrupt ascent..
46.00	Top of spur, projects S.W. Begin abrupt descent. Leave heavy timber,bears N.W. and S.E..
	Enter scattering timber and dense service berry brush.
75.00	Bottom of ravine,150 ft.deep, course S.W. Begin abrupt ascent.
78.00	Top of ridge,bears N.E. and S.W.. Descend..
80.06	Intersect the Uintah Special Base Line,3 lks.east of the temp.cor. I destroy the temp.cor.and at my point of intersection, Set a sandstone 18x12x8 ins.,12.ins.in the ground,for base line cor.of T.1 N.,Rs.5 and 6 W.,marked S C on N.; with 6 grooves on N.E. and W.faces,from which A pinon,15 ins.diam.,bears N.56°E.,1.16 chs.dist., marked T 1 N R 5 W S 31 B T . A cedar 30 ins.diam.,bears N.20° W.,17.lks.dist., marked T 1 N R 6 W S 36 B T . This cor.is set 900 ft.below the cor.of secs.25-30-31 and 36.
	Land,mountainous..
	Soil,rocky 3rd.rate.
	Timber,cedar and pinon.
	Mountainous land and heavily timbered or dense undergrowth on 80.06 chs.

September 9,1903.

GENERAL DESCRIPTION

This mile falls on the breaks along the east side of Rock Creek Canon;it is broken,rocky and mountainous making it unfit for agricultural or grazing.purposes.



U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

_____, Chainman.
For final affidavits see book "A-304" J. M. R. b/w, Chainman.
_____, Moundman.
_____, Moundman.
_____, Axman.
_____, Axman.
_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____ of the _____ meridian, _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____.

For final affidavits see book "A-304" J. M. R. b/w, Chainman.
_____, Moundman.
_____, Moundman.
_____, Axman.
_____, Axman.
_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189_____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I....., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from....., United States Surveyor General for....., bearing date of the day of....., 189....., I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of.....

For final affidavit see book "H". J. Dr. R. L. W.

.....of the.....
.....meridian, in the.....of....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for.....and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said....., and sworn to before me
this.....day of....., 189.....



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 1904
The foregoing field notes of the survey of.....
North Range, 5 West of the Thirtieth Special Base and
Meridian, Utah.....

executed by.....*Harvey D. Doubt*
under his contract No. 266, dated.....*July 20, 1903*, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in.....
has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-304
W.H.B.

FIELD NOTES

OF THE SURVEY OF THE

*United Parallel Base Line**through**Range 26, 6 Merid.**of the United Parallel Second Meridian,
in the state of Wyo.*

AS SURVEYED BY

Surveyor H. C. Hart , United States Deputy Surveyor,
Under his Contract No. 266, dated July 2, 1903, 1903
Survey commenced July 13, 1903, 1903
Survey completed August 1, 1903, 1903

Height 600-00'

NAMES AND DUTIES OF ASSISTANTS.

Earl Kolley	Chairman
Alma Johnson	"
William Kalquist	"
George Dofford	"
Gerry Payne	Woman
Joseph Erickson	Flagman
Alma Johnson	Moundman

For preliminary affidavits see book "A" J.D.R. 211.

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Meanders Page.

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

., *Chairman.*

-, *Chairman.*

Subscribed and sworn to before me this _____ }
day of _____, 189 }



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

, Moundman.

, Moundman.

Subscribed and sworn to before me this _____ }
day of _____, 189 }



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

—, Axman.

-----, Axman.

Subscribed and sworn to before me this _____ }
day of _____, 189 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____.

11 <http://www.industrydocuments.ucsf.edu/docs/flagman>

Subscribed and sworn to before me this _____ }
day of _____ 189 }



Uintah Special Base through Range 6 W.

Chain..

Survey commenced Sept. 9th, 1903, and executed with the instrument described in book "A" of this survey. I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications, resulting from observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At the base line cor. of Tps. 1 N., Rs. 5 and 6 W., set by me Sept. 9th, 1903; latitude $40^{\circ}26'20''$ N.; longitude $110^{\circ}31'35''$ W.; I set off $40^{\circ}26'N.$ on the lat. arc; $5^{\circ}31'N.$ on the decl. arc; and, at 4h p.m., l.m.t., determine a meridian with the solar and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the cor.

At 8h 12m p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

Sept. 9th, 1903.

Sept. 10th: At 6 a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}35'$ to the west, and mark the meridian thus determined, by cutting a small groove in the stone, set Sept. 9th, on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 7 a.m., l.m.t., I set off $40^{\circ}26'N.$ on the lat. arc; $5^{\circ}18'N.$ on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the ^{stone} already set 5 chs. N. of my station; this mark falls 0.3 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians respectively about $0'21''$ west and $0'16''$ east of the meridian established by the Polaris observations; therefore I conclude that the

Uintah Special Base through Range 6 W.

Chains.

adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7 a.m., is N. $16^{\circ}45'W.$; the angle thus determined gives the mag. decl. $16^{\circ}45'E.$

From the tp.cor.already.described,I run

West on S.bdy.sec..36.

Over brokem land ascend abruptly through scattering cedar and pinon timber, and dense service berry brush.

3.20 Top of spur projects S.W.

Descend.

9.50 Bottom of ravine, 200 ft.deep, course S.W.

Ascend.

13.00 Top of spur projects S.W.

Descend.

20.50 Bottom of hollow, 100 ft.deep, course S.

Ascend.

32.00 Top of ridge bears N.E. and S.W.

Descend.

Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point

By 1st set, 40.04 chs.

By 2nd set, 39.96 chs., the mean of which is

40.00 Set a sandstone, 18x12x6 ins., 12 ins.in the ground, for base line $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N.face; from which A pinon, 18 ins.diam., bears N. $41^{\circ}W.$, 99 lks.dist., marked S C $\frac{1}{2}$ S&B T.

A cedar, 12 ins.di am., bears N. $19^{\circ}E.$, 1.23 chs.dist., marked S C $\frac{1}{4}$ S&B T.

44.00 Enter heavy cedar and pinon timber, bearing N.E. and S.W.

Bottom of hollow, 100 ft.deep, course S.W.

Ascend.

56.25 Top of spur projects S.

Begin abrupt descent.

Leave heavy timber, and enter scattering cedar and pinon timber, bearing N. and S.

Uintah Special Base through Range 6 W.

Chain

62.00 Bottom of hollow, 100 ft. deep, course S.

Ascend.

66.25 Top of spur projects S.W.

Descend.

Enter fire killed timber.

73.00 Bottom of hollow, 100 ft. deep, course S.W.

Ascend.

76.50 Top of spur projects S.

Descend. Leave timber.

Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point

By 1st set, 80.03 chs.

By 2nd set, 79.97 chs., the mean of which is

80.00 Set a sandstone, 18x10x4 ins., 12 ins. in the ground for base line cor. of secs. 35 and 36, marked S C on N.; with 5 grooves on the W. and 1 groove on the E. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

Land, mountainous, and broken.

Soil, rocky; third rate. Timber, cedar and pinon.

Mountainous land, and heavily timbered or dense undergrowth on 80.00 chs.

West on S.bdy.sec.35.

Descend over rocky land through dense artemisia.

1.00 Bottom of hollow, 150 ft. deep, course S.

Begin abrupt ascent.

10.50 Top of spur, 250 ft. above base line cor., projects S.

Begin abrupt descent.

Enter heavy cedar and pinon timber, bearing N. and S.

16.00 Foot of abrupt descent bears N. and S.

Enter bottom of Rock Creek Canon, course S.

Begin gradual descent.

Leave heavy timber, bearing N. and S.

Enter dense artemisia.

Uintah Special Base through Range 6 W.

Chains

Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point

By 1st set, 40.03 chs.

By 2nd set, 39.97 chs., the mean of which is

40.00 Set a trachyte stone, 18x12x8 ins., 12 ins. in the ground, for base line $\frac{1}{4}$ sec. cor., marked S C $\frac{1}{2}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.

43.00 Begin abrupt descent, bearing N.W. and S.E.

45.00 Foot of abrupt descent.

Begin gradual descent.

46.75 Canon road bears N.W. and S.E.

54.50 Begin abrupt descent.

55.25 Rock Creek, 60 lks. wide, in bottom of canon, 1500 ft. deep, course S.; with aspen and cottonwood timber, along bank. Begin abrupt ascent.

Difference between measurements of 80.00 chs. by two sets of chainmen is 10 lks.; position of middle point

By 1st set, 80.05 chs.

By 2nd set, 79.95 chs., the mean of which is

80.00 On top of ridge, 600 ft. above Rock Creek, bearing N.E. and W.

Set a sandstone, 18x12x10 ins., 12 ins. in the ground, for base line cor. of secs. 34 and 35, marked S C on N.; with 3 grooves on the E. and 4 grooves on the W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.

Land, mountainous.

Soil, rocky; third rate.

Timber, cedar and pinon.

Mountainous land and heavily timbered or dense under-growth on 80.00 chs.

Uintah Special Base through Range 6 W.

Chain

W.on S.bdy.sec.34.

Over rocky land,ascend along ridge through dense artemisia,service berry and oak brush.

38.00 Leave top of ridge,bearing N.W.and E.

Descend.

Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks.;position of middle point

By 1st set,40.05 chs..

By 2nd set,39.97 chs.,the mean of which is

40.00 Set a trachyte stone,18x15x6 ins.,12 ins.in the ground, for base line $\frac{1}{4}$ sec.cor.,marked S C $\frac{1}{4}$ on N.face;and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high N.of cor.

Pits impracticable..

Begin ascent.

57.45 Top of same ridge bears N.E.and S.W.

Begin abrupt descent.

61.00 Bottom of hollow,150 ft.deep,course N.E.

Ascend.

68.50 Top of spur projects N.E.

Descend.

73.00 Enter heavy aspen timber,bearing N.W.and S.E.

74.50 Bottom of hollow,150 ft.deep,course N.E.

Begin abrupt ascent..

75.60 Leave heavy timber,bearing N.E.and S.W.

Difference between measurements of 80.00 chs. by two sets of chaimen is 10 lks.;position of middle point

By 1st set,80.05 chs.

By 2nd set,79.95 chs.,the mean of which is

80.00 Set a trachyte stone,15x10x6 ins.,10 ins.in the ground, for base line cor.of secs.33 and 34,marked S C on N.; with 3 grooves on the E.and W.faces;and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high N.of cor.

Pits impracticable.

Land,mountainous.

Soil,rocky;third rate.

UINTAH SPECIAL BASE through RANGE 6 W.

Chain

Timber, aspen.

Mountainous land, and heavily timbered or dense undergrowth on 80.00 chs.

Sept. 10th: At this cor., I set off 5011' 11" on the decl. arc; and, at 11h 57m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $40^{\circ}26'N$.

West on S.bdy.sec.33.

Over rocky land, ascend abruptly through dense artemisia, and service berry brush.

Difference between measurements of 40.00 chs. by two sets of chainmen is 8.1ks.; position of middle point
By 1st set, 40.04 chs..

By 2nd set, 39.96 chs., the mean of which is

40.00 Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for base line $\frac{1}{4}$. sec.cor., marked S C $\frac{1}{4}$ on N.face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N.of cor.. Pits impracticable.This $\frac{1}{4}$ sec.cor. stands 400 ft. above base line cor.

46.00 Enter dense aspen thicket, bearing N. and S.

53.75 Leave aspen thicket, bearing N. and S.

57.00 Enter heavy aspen timber, bearing N.E. and S.W.

65.00 Leave heavy timber, bearing N. and S.

73.00 Top of spur, 600 ft. above base line cor., projects N. Descend. Difference between measurements of 80.00 chs. by two sets of chainmen is 12 lks.; position of middle point

By 1st set, 80.06 chs..

By 2nd set, 79.94 chs., the mean of which is

80.00 Set a trachyte stone, 15x12x6 ins., 10 ins. in the ground, for base line cor. of secs. 32 and 33, marked S C on N.; with 4 grooves on the E. and 3 grooves on the W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N.of cor.. Pits impracticable.

Land, mountainous.

Soil, rocky; third rate.

UINTAH SPECIAL BASE THROUGH RANGE 6 W.

Chains.Timber, aspen.

1. Mountainous land and heavily timbered or dense under-growth on 80.00 chs.

W.on S.bdy.sec.32.

Descend through dense artemisia, and service berry brush.

3.50 Enter heavy aspen timber, bearing N.E. and S.W.

5.50 Bottom of hollow, 100 ft. deep, course N.E.

Begin abrupt ascent.

Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point

By 1st set, 40.04 chs.

By 2nd set, 39.96 chs., the mean of which is

40.00 Set a sandstone, 18x10x4 ins., 12 ins. in the ground,

for base line $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N.face; from whi

An aspen, 4 ins. diam., bears N.67°E., 21 lks.dist.,

marked S C $\frac{1}{4}$ S²B T.

An aspen, 4 ins. diam., bears N.63°W., 73 lks.dist.,

marked S C $\frac{1}{4}$ S²B T.

76.50 Leave heavy timber, bearing N. and S.

Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks.; position of middle point

By 1st set, 80.04 chs.

By 2nd set, 79.96 chs., the mean of which is

80.00 Set a trachyte stone, 15x10x6 ins., 10 ins. in the ground, for base line cor.of secs.31 and 32, marked S C on N.; with 5. grooves on the E. and 1 groove on the W.face; from which

An aspen, 5 ins. diam., bears N.31°W., 1.31 chs.dist.,

marked T T 1 N R 6 W. S 31 B T.

No other trees within limits; and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high N.of cor.

Pits impracticable. This cor.stands 600 ft. above base line cor.of sec.32 & 33. Land,mountainous.

Soil,rocky;third rate.

Timber, aspen.

UIMTAH SPECIAL BASE THROUGH RANGE 6 W.

Chains

Mountainous land and heavily timbered or dense under-growth on 80.00 chs.

West on S.bdy.sec.31.

Ascend through dense artemisia and service berry brush.

0.65 Enter heavy aspen timber, bearing N. and S.

Difference between measurements of 40.00 chs. by two sets of chainmen is 10 lks.; position of middle point
By 1st set, 40.05 chs.

By 2nd set, 39.95 chs., the mean of which is
40.00 Set a trachyte stone, 15x10x6 ins., 10 ins. in the ground, for base line $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N.face; from which

An aspen, 12 ins. diam., bears N.40°E., 3 lks. dist., marked S C $\frac{1}{2}$. S B T.

An aspen, 15 ins. diam., bears N.86°W., 87 lks. dist., marked S C $\frac{1}{2}$. S B T.

46.00 Top of spur, 500 ft. above base line cor., projects N.
Descend.

63.00 Bottom of hollow, 100 ft. deep, course N.E.
Ascend.

64.00 Leave heavy timber, bearing N. and S.
Enter dense artemisia.

71.00 Top of spur projects N.E.
Descend.

79.50 Enter dense willow brush, bearing N.E. and S.W.
Difference between measurements of 80.00 chs. by two sets of chainmen is 12 lks.; position of middle point
By 1st set, 80.06 chs.

By 2nd set, 79.94 chs., the mean of which is
80.00 Set a trachyte stone, 18x10x10 ins., 12 ins. in the ground, for base line cor. of Tps. 1 N., Rs. 6 and 7 W., marked

S C 1 N on N.,

6 " on E., and

UINTAH SPECIAL BASE THROUGH RANGE 6 W.

Chain

7 W on W. face; with 6 grooves on the N., E., and W. faces; and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky; third rate.

Timber, aspen.

Mountainous land, and heavily timbered or dense under-growth on 80.00 chs.

Sept. 10, 1903.

For general discription, see subdivisions of T.1 N., R.6 W

Harvey D. Heist,

U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Harvey L. Heist, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of Unitah Meridian.

Earl Woolley, William Halquist, Chairman,
Alma Johnson, George Kofford, Chairman,
Alma Johnson, Moundman,

Alma Johnson, William Halquist, Chairman,
Alma Johnson, George Kofford, Chairman,

Alma Johnson, William Halquist, Chairman,
Alma Johnson, George Kofford, Chairman,

Alma Johnson, William Halquist, Chairman,
Alma Johnson, George Kofford, Chairman,

Alma Johnson, William Halquist, Chairman,
Alma Johnson, George Kofford, Chairman,

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Harvey L. Heist, United States Deputy Surveyor, in surveying all

those parts or portions of the Unitah Meridian through No. 2 S. 5 - 61 Line

of the Unitah Meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Earl Woolley, William Halquist, Chairman,
Alma Johnson, George Kofford, Chairman,

Alma Johnson, Moundman,

Alma Johnson, Moundman,

Harry Payne, Axman,

Harry Payne, Axman,

Joseph Erickson, Flagman,

Subscribed and sworn to before me this 10th

day of September, 1903, 1893



Harvey L. Heist -
G. S. Library Law

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Harvey D. West, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for Utah, bearing date of the 1st day of July, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Utah Special Base Line through Range 16 West of the Utah Special Base and Meridian, Utah.

Special Base and Meridian, in the state of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Harvey D. West
United States Deputy Surveyor.

Subscribed by said Harvey D. West, and sworn to before me
this 3rd day of January, 1904.

SEAL

Edward H. Anderson
U.S. Surveyor General
for Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah April 12, 1904, 189-

The foregoing field notes of the survey of the Utah Special Base Line through Range 16 West of the Utah Special Base and Meridian, Utah,

executed by Harvey D. West, dated July 20, 1903, 189-, having been under his contract No. 2166, dated July 20, 1903, 189-, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in the, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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JAN 12 1904
*[Handwritten signature]*H.

BOOK A-304

FIELD NOTES

OF THE SURVEY OF THE

North & West Boundariesof
Township No. North
Range No. 6 Westof the United States ^{2nd} Meridian,
in the state of Utah

AS SURVEYED BY

Harrison D. Heintz, United States Deputy Surveyor,

Under his Contract No. 266, dated July 20, 1903.

Survey commenced Sept 10th, 1903.Survey completed Sept 14th, 1903.

6-151

West Bag h-6-02-001
Date, S. 606.10 ✓

NAMES AND DUTIES OF ASSISTANTS.

Earl Wooley Chairman
William Maloy Vice Chairman
Alma Johnson Secretary
Harry Payne Armorer
Joseph Erickson Flagman

For preliminary affidavits see Book "B" J. 1dr. R. 27r.

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Volume

#

R0304

BOOK A-304

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., *Chainman.*....., *Chainman.*

Subscribed and sworn to before me this }
day of , 190 }



WE, and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., *Moundman.*....., *Moundman.*

Subscribed and sworn to before me this }
day of , 190 }



WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., *Axman.*....., *Axman.*

Subscribed and sworn to before me this }
day of , 190 }



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., *Flagman.*

Subscribed and sworn to before me this }
day of , 190 }



West Bdy. of Tps.1 N., R. 6 W.

Chain

Survey commenced Sept. 10, 1903, and executed with the instrument described in Book "A" of this survey.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At the base line cor. of Tps.1 N., Rs.6 and 7 W., set by me Sept. 10, 1903; latitude $40^{\circ}26'20''$ N., longitude $110^{\circ}38'25''$ W.; I set off $40^{\circ}26'$ N. on the lat. arc; $5^{\circ}08'$ N. on the declarc; and, at 4h p.m., l.m.t., determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground, 5 chs. N. of the cor.

At 8h 14m p.m., l.m.t., I observe Polaris at eastern elongation in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

Sept. 10, 1903.

Sept. 11: At 6 a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}35'$ to the west, and mark the meridian thus determined, by cutting a small groove in the stone, set last evening, on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 7 a.m., l.m.t., I set off $40^{\circ}26'$ N. on the lat. arc; $4^{\circ}55'$ N. on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone, already set 5 chs. N. of my station; this mark falls 0.3 ins. east of the meridian established by the Polaris observation. The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0'21''$ west and $0'16''$ east of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

West Bdy. of T.L.N., R. 6 W.

Chains

The magnetic bearing of the true meridian at 7 a.m., is N. $16^{\circ}50'W.$; the angle thus determined gives the mag. decl. $16^{\circ}50'E.$

From the Tp.cor.already described, I run
North bet.secs.31 and 36.

Descend through dense willow brush.

6.50 Leave willow brush, bearing N.E. and S.W.

Enter dense artemisia.

16.00 Head of canon, course E.

Begin abrupt ascent.

40.00 Set a trachyte stone, $15 \times 10 \times 6$ ins., 10 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.

Pits impracticable.

43.00 Top of ridge, 200 ft.above head of canon, bears N.W. and S.E.
Descend.

44.00 Enter heavy aspen timber, bearing N.W. and S.E.

50.00 Head of ravine, course S.E.

Ascend.

71.00 Top of ridge bears E.and W.

Begin abrupt descent.

73.00 Enter heavy pine timber, bearing E.and W.

80.00 Set a sandstone, $18 \times 12 \times 4$ ins., 12 ins.in the ground, for cor.of secs.25-30-31 and 36,marked with 1 notch on the S.and 5 notches on the N.edge; from which

A pine, 12 ins.diam., bears N. $22^{\circ}E.$, 5 lks.dist.,
marked T 1 N R 6 W S 30 B T.

A pine, 10 ins.diam., bears S. $40^{\circ}E.$, 8 lks.dist.,
marked T 1 N R 6 W S 31 B T.

An aspen 6 ins.diam., bears S. $58^{\circ}W.$, 43 lks.dist.,
marked T 1 N R 7 W S 36 B T.

A pine, 12 ins.diam., bears N. $26^{\circ}W.$, 16 lks.dist.,
marked T 1 N R 7 W S 25 B T.

Land,mountainous.

Soil,rocky;third rate.

West Bdy. of T.1 N., R.6. W.

Chains.

Timber, aspen and pine.

Mountainous land and heavily timbered or dense undergrowth on 80.00 chs.

North bet. secs. 25 and 30.

Over rocky land descend through heavy pine timber.

9.00 Bottom of canon, 500 ft. deep, course E.

Begin abrupt ascent.

Leave heavy pine, and enter heavy aspen timber, bearing E. and W.

34.50 Top of ridge bears N.W. and S.E.

Begin abrupt descent.

40.00 Set a trachyte stone, 20x12x10 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from whichAn aspen, 6 ins. diam., bears S. 64° E., 7 lks. dist., marked $\frac{1}{4}$ S 30 B T.An aspen, 5 ins. diam., bears S. 15° W., 21 lks. dist., marked $\frac{1}{4}$ S 25 B T.

40.75 Enter heavy pine timber, bearing E. and W.

43.00 Head of ravine, course E.

Ascend.

53.00 Top of spur projects E.

Descend.

60.00 Bottom of hollow, 75 ft. deep, course S.E.

Ascend.

67.50 Top of ridge bears N.W. and S.E.

Begin abrupt descent.

Enter heavy burnt timber..

80.00 Set a sandstone, 18x12x5 ins., 12 ins. in the ground, for cor. of secs. 19-24-25. and 30, marked with 2 notches on the S. and 4 notches on the N. edge; from which

A pine, 20 ins. diam., bears N. 59° E., 24 lks. dist., marked T 1 N R 6 W S 19 B T.,

A pine, 18 ins. diam., bears S. 32° E., 26 lks. dist., marked T 1 N R 6 W S 30 B T.

West Bdy.of T. 1 N., R. 6 W.

Chains.

A pine, 12 ins. diam., bears S.13°W., 52 lbs.dist.,
marked T 1 N R 7 W S 25 B T.

A pine, 12 ins. diam., bears N.45°W., 59 lbs.dist.,
marked T 1 N R 7 W S 24 B T.

Land, mountainous.

Soil, rocky; third rate.

Timber, aspen and pine.

Mountainous and heavily timbered land on 80.00 chs.

Sept. 11: At this cor., I set off 4°49'N.on the decl.arc;
and, at 11h 57m a.m., l.m.t., observe the sun on the
meridian; the resulting lat. is 40°37'N.

North bet. secs. 19 and 24.

Descend through heavy fire killed pine and scattering
live pine timber.

8.00 Bottom of canon, 400 ft. deep, course N.E.

Ascend.

20.00 Top of spur projects E.

Descend.

40.00 Set a trachyte stone, 18x8x8 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on "face; and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high. W. of cor.

Pits impracticable.

44.50 Bottom of canon, 500 ft. deep, course E.

Begin abrupt ascent.

57.00 Top of spur projects S.E.

Descend.

68.00 Bottom of ravine, 150 ft. deep, course S.E.

Begin abrupt ascent.

76.00 Top of spur projects S.E.

Descend.

Enter heavy aspen and pine timber, bearing N.W. and S.E.

79.00 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

80.00 Set a trachyte stone, 20x12x6 ins., 15 ins. in the ground,

West Bdy.of T.1 N., R.6 W.

Chains

for cor.of secs.13-18-19 and 24,marked with 3 notches on the N.and S.edges;from which

An aspen,8 ins.diam.,bears N.18°E.,13 lks.dist., marked T 1 N R 6 W S 18 B T.

An aspen,30 ins.diam.,bears S.65°E.,41 lks.dist., marked T 1 N R 6 W S 19 B T.

An aspen,13 ins.diam.,bears S.25°W.,30 lks.dist., marked T 1 N R 7 W S 24 B T.

An aspen,5 ins.diam.,bears N.39°W.,62 lks.dist., marked T 1 N R 7 W S 13 B T.

Land,mountainous.

Soil,rocky,3rd.rate.

Timber,pine and aspen.

Mountainous land and heavily timbered on 80.00 chs.

North,betsecs.13. and 18.

Over rocky land,ascend through heavy aspen and scattering pine timber.

26.50 Top of ridge,bears N.W.and S.E.

Descend.

34.00 Bottom of ravine,150 ft.deep,course E.

Ascend.

Enter fire killed timber,bears E.and W.

40.00 Set a trachyte stone,30x14x4. ins.,22 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face, and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,W.of cor.

Pits impracticable.

All available bearing trees are fire killed.

53.75 Top of ridge,bears E.and W.

Begin abrupt descent.

80.00 Set a trachyte stone,18x9x8 ins.,12 ins.in the ground, for cor.of secs.7-12-13 and 18,marked with 3 notches on N.and 4 notches on S.edges, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high,W.of cor..

WEST BDY.OF T.L.N., R.6 W.

CHAINS

Pits impracticable.

All available bearing trees are fire killed.

Land, mountainous..

Soil, rocky 3rd.rate.

Timber, aspen and pine.

Mountainous land, and heavily timbered on 80.00 chs.

September 11, 1903.

September 12: At 7 a.m., l.m.t., I set off $40^{\circ}30' N.$ on lat. arc; $4^{\circ}33' N.$ on decl. arc; and determine a meridian with the solar at the cor. of secs. 7-12-13 and 18.

Thence I run

North, bet. secs. 7 and 12.

Over rocky land, descend through heavy fire killed pine timber.

3.00 Bottom of hollow, 100 ft. deep, course E.

Begin abrupt ascent.

11.00 Top of ridge, bears E. and W.

Begin abrupt descent..

38.00 Bottom of hollow, 300 ft. below ridge, course E.

Ascend.

40.00 Set a trachyte stone, 16x14x6 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

All available bearing trees are fire killed.

43.00 Top of spur, projects E.

Begin abrupt descent..

54.00 Bottom of canon, 400 ft. deep, course E..

Begin abrupt ascent. Enter heavy aspen timber, bears E. & W.

80.00 Set a trachyte stone, 20x8x8 ins., 15 ins. in the ground, for cor. of secs. 1-6-7 and 12, marked with 5. notches on S. and 1 notch on N. edges, from which

An aspen, 5 ins. diam., bears $N.88^{\circ}E.$, 28 lks. dist.,

WEST BDY.OF T.1 N., R.6 W.

CHAINS

marked T 1 N R 6 W S 6 B T:

An aspen, 3 ins. diam., bears S.69° E., 29 lks. dist.,

marked T 1 N R 6 W S 7 B T.

An aspen, 15 ins. diam., bears S.41° W., 35 lks. dist.,

marked T 1 N R 7 W S 12 B T.

An aspen, 12 ins. diam., bears N.13° W., 1.06 chs. dist.,

marked T 1 N R 7 W S 1 B T.

Land, mountainous,

Soil, rocky 3rd. rate.

Timber, aspen and pine.

Mountainous land and heavily timbered on 20.00 chs.

North, bet. secs. 1 and 6.

Over rocky land; ascend abruptly through heavy fire killed timber, and scattering live pine and aspen timber.

26.00 Top of ridge, bears N.W. and S.E.

Descend.

40.00 Set a trachyte stone, 20x8x4 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

All available bearing trees, are fire killed.

53.00 Leave fire killed timber, bears N.W. and S.E.

Enter heavy live pine and aspen timber.

56.50 Bottom of ravine, 150 ft. deep, course S.E.

Begin abrupt ascent.

65.00 Top of ridge, bears N.W. and S.E.

Begin abrupt descent.

Enter heavy fire killed timber, bears N.W. and S.E.

80.00 Set temp. cor. for cor. to Tps. 1 and 2 N., Rs. 6 and 7 W.

This cor. is set permanently at this same point, on this same day, and is described on the north bdy. of this township.

Land, mountainous.

WEST BDY.OF T.1 N.,R.6 W.

CHAINS

Soil,rocky,3rd.rate,

Timber,aspen.and pine.

Mountainous land and heavily timbered on 80.00 chs.

NORTH BDY.OF T.1 N.,R.6 W.

September 12: At 2 p.m.,l.m.t.,I set off $40^{\circ}32'N$.on lat. arc; $4^{\circ}24'N$.on decl.arc;and determine a meridian with the solar,at the cor.of Tps.1 and 2 N.,Rs.5 and 6 W.,which is a sandstone,18x15x7 ins.,in a mound of stone,with marks nearly obliterated,with one bearing tree,bearing N.E.marked as described by the surveyor general.

I reset the stone at the same place,12 ins.in the ground,for re-established cor.of Tps.1 and 2 N.,Rs.5 and 6 W. marked with 6 notches on each edge,from which

A pine,8 ins.diam.,bears $N.72^{\circ}E.$,11 lks.dist.,marked as described by the surveyor general.

There being no other trees marked,I mark

A pine,8 ins.diam.,bears $S.38^{\circ}E.$,22 lks.dist.,marked T 1 N R 5 W S 6 B T.

A pine,10 ins.diam.,bears $S.36^{\circ}W.$,13 lks.dist.,marked T 1 N R 6 W S 1 B T.

A pine,8 ins.diam.,bears $N.47^{\circ}W.$,13 lks.dist.,marked T.2 N R 6 W S 36 B T.

Thence I run

West,on a random line,along the north bdy.of Tp.1 N.,R.6 W.,setting temp. $\frac{1}{4}$ sec.and sec.cors.at intervals of 40.00 chs.,and at 486.10 chs.,intersect the w.bdy.of the Tp.,72 lks.S.of the temp.cor.to Tps.1 and 2 N.,Rs.6 and 7 W.,

The falling answers to a correction of $0^{\circ}05'$,or 12 lks.N.per mile,counting from the N.E.cor.of the Tp.,and as the falling is within $21'$ of arc,I establish temp.as true cor.,as follows:

Set a trachyte stone,20x12x10 ins.,15 ins.in the ground,for cor.of Tps.1 and 2 N.,Rs.6 and 7 W.,marked

NORTH BDY.OF T..1 N., R..6 W.

Chain .

3 N.on N.E.,

6 W on S.E.,

1 N on S.W., and.

7 W on N.W. face; with 6 notches on each edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.

Pits impracticable.

All available bearing trees are fire killed.

Sept. 12th, 1903.

Sept. 13: At 7 a.m., l.m.t., I set off 40°33' N. on the lat. arc; 4°09' N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 1. and 3 N., Rs. 6. and 7 W. Thence I run

S.89°55'E. bet. secs. 6. and 31,
marking and blazing true line.

Over rocky land, descend abruptly through heavy fire killed timber.

35.00 Bottom of ravine, 600 ft. below Tp.cor., course N.E.
Begin abrupt ascent.

Leave timber.

41.60 Top of rocky spur projects N.E.

Point for $\frac{1}{4}$ sec.cor. falls on a steep rocky slope and cannot be set.

Set a limestone, 16x10x10 ins., 11 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec.cor., marked W C $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.. Pits impracticable.

45.10 Begin abrupt descent over limestone ledges, bearing N.W. and S.E.

46.10 Point for $\frac{1}{4}$ sec.cor. falls on ledges and cannot be set.

55.00 Foot of limestone ledges, 800 ft. below spur bears N.W. and S.E.

Begin abrupt descent through dense service berry brush.

81.40 Foot of abrupt descent bears N.W. and S.E.

Enter dense willow brush in bottom of Rock Creek C

NORTH ELEV. OF T.L N., R. 6 T.

Chains.

bearing N.W. and S.E. Over level land.

Sec.10 Set a trachyte stone, 18x10x7 ins., 12 ins. in the ground, for cor. of secs. 5-6-31 and 32, marked with 1 notch on the W. and 5 notches on the E. edge; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high E. of cor.

Pits impracticable.

This cor. is set 2000 ft. below Tp.cor.

Land, mountainous.

Soil, rocky; third rate.

Timber, pine.

Mountainous land, and heavily timbered or dense under-growth on Sec.10 chs...

Sept. 13: At this cor., I set off 4°04' N. on the decl. arc; and, at 11h 56m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°33' N.

S.89°55'E. bet. secs. 5 and 32.

Over level land, in bottom of Rock Creek Canon, through dense willow brush.

10.00 Rock Creek, 50 lks. wide, in bottom of Rock Creek Canon, 2000 ft. deep, course S.E.

Ascent.

20.50 Leave willow brush, bearing N.W. and S.E.

Over rocky land, ascend abruptly through dense artemisia and oak brush.

40.00 Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for 1/2 sec.cor., marked 1/2 on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

45.00 Enter heavy cedar, pinon and pine timber, bearing N.W. and S.E.

50.00 Set a sandstone, 20x10x8 ins., 15 ins. in the ground, for cor. of secs. 4-5-32 and 33, marked with 2 notches on the N. and 4 notches on the E. edge; from which a junction, 5 ins. high, bears N.E. 12°, 22 lbs. dist.,

NORTH Bdy.of.Tp.l.N., R. 6 W.

Chain .

marked T 2 N R 6 W S 33 B T.

A pinon, 6 ins.diam., bears N.52°W., 37 lks.dist.,
marked T 2 N R 6 W S 32 B T.

No other trees within limits; and raise a mound of stone,
2 ft.base, 1½ ft.high, W.of cor.

Pits impracticable.

This cor.stands 1200 ft.above Rock Creek.

Land,mountainous.

Soil,rocky;third rate.

Timber,cedar,pinon and pine.

Mountainous land and heavily timbered or dense under-growth on 80.00 cns.

Sept.13,1903.

Sept.14th:At 7 a.m.,l.m.t., I set off 40°32'N.on the
lat.arc; 3°46'N.on decl.arc; and determine a meridian wi
the solar,at the cor.of secs.4-5-33 and 33.

Thence I run

S.89°55'E.,bet.secs.4 and 33.

Over rocky land,ascend abruptly through heavy cedar,pine
and pinon timber.

20.50 Leave timber,bears N.W.and S.E.

Enter dense artemisia.

22.50 Top of spur,projects S.,700 ft.above sec.cor.

Begin abrupt descent.

40.00 Set a limestone,24x10x5 ins.,18 ins.in the ground,for
½ sec.cor.,marked $\frac{1}{2}$ on N.face, and raise a mound of stone,
2 ft.base, 1½ ft.high, N.of cor.

Pits impracticable.

44.50 Bottom of hollow,100 ft.deep,course S.W.

Ascend.

52.20 Top of ridge,bears N.and S.

Descend.

69.00 Enter heavy aspen timber,bears N.and S.

73.00 Leave timber,bears N.W.and S.E.

NORTH BDY.OF T.L.N.,R.6 W.

CHAINS

- 80.00 Set a limestone, 18x6x4 ins., 12 ins. in the ground, for cor. of secs. 3-4-33 and 34, marked with 3 notches on E. and W. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.
 Land, mountainous.
 Soil, rocky 3rd. rate.
 Timber, cedar, pinon and pine.
 Mountainous land and heavily timbered or dense undergrowth on 80.00 chs.
-

S.89°55'E., bet. secs. 3 and 34.

- Over rocky land, descend abruptly through dense artemisia.
 7.00 Enter scattering aspen timber.
 16.00 Bottom of canon, 600 ft. deep, course S.
 Begin abrupt ascent.
 Leave timber.
 37.00 Top of spur, projects S.
 Begin abrupt descent.
 40.00 Set a trachyte stone, 14x10x4 ins., 9 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Pits impracticable.
 48.00 Bottom of ravine, 150 ft. deep, course S.W.
 Begin abrupt ascent.
 65.00 Enter heavy aspen timber, bears N. and S..
 70.00 Top of ridge, bears N. and S.
 Descend.
 80.00 Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for cor. of secs. 2-3-34 and 35, marked with 2 notches on E. and 4 notches on W. edges, from which
 An aspen, 3 ins. diam., bears N.84°E., 42 lks. dist.,
 marked T 2 N.R 6 W S.35 B T.
 An aspen, 3 ins. diam., bears N.47°W., 32 lks. dist.,

NORTH BDY.OF T.1 N., R.6 W.

CHAINS

marked T 2 N R 6 W S 34 B T.

- No other trees within limits, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky 3rd. rate.

Timber, aspen.

Mountainous land, and dense undergrowth or heavily timbered on 80.00 chs.

September 14: At this cor. I set off $3^{\circ}40'$ N. on lat. arc; and at 11h.56m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}32'$ N.

S. $89^{\circ}55'$ E., bet. secs. 2, and 35.

Over rocky land, descend through heavy aspen timber.

15.00 Bottom of ravine, 250 ft. deep, course S.

Begin abrupt ascent.

40.00 Set a trachyte stone, 24x12x5 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which

An aspen, 5 ins. diam., bears N. 66° E., 36 lks. dist., marked $\frac{1}{2}$ S 35 B T.

An aspen, 5 ins. diam., bears S. 63° W., 59 lks. dist., marked $\frac{1}{4}$ S 2 B T.

69.00 Spring branch, 1 lk. wide, course S.W.

78.00 Enter heavy pine timber, bears N.W. and S.E.

80.00 Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground, for cor. of secs. 1-2-35 and 36, marked with 1 notch on E. and 5 notches on W. edges, from which

A pine, 10 ins. diam., bears N. 8° E., 68 lks. dist., marked T 2 N R 6 W S 36 B T.

A pine, 15 ins. diam., bears N. 85° W., 34 lks. dist., marked T 2 N R 6 W S 35 B T.

No other trees within limits, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

NORTH BDY.OF T.1 N.,R.6 W.

- CHAINS Land, mountainous. Soil, rocky, 3rd.rate.
Timber, aspen and pine.
Mountainous land and heavily timbered on 80.00 chs.
-
- S.89°55'E., bet. secs.1 and 36.
Over rocky land, ascend abruptly through heavy pine timber,
11.00 Top of divide bet. West Fork of Lake Fork and Rock Creek
canons, 200 ft. above sec.cor., bears N.W. and S.E.
Descend.
40.00 Set a trachyte stone, 24x12x6 ins., 18 ins. in the ground,
for $\frac{1}{2}$ sec.cor., marked $\frac{1}{4}$ on N.face, from which
A pine, 8 ins. diam., bears S.49°E., 20 lks.dist.,
marked $\frac{1}{4}$ S 1 B T.
A pine, 15 ins. diam., bears N.48°W., 16 lks.dist.,
marked $\frac{1}{4}$ S 36 B T.
80.00 Intersect re-established cor.of Tps.1 and 3 N., Rs.5 and 6
W., heretofore described.
Land mountainous..
Soil, rocky 3rd.rate..
Timber, pine..
Mountainous land and heavily timbered on 80.00 chs.

September 14, 1903.

For general description, see subdivisions of
T.1 N., R.6 W.

BOUNDARIES OF T.1 N., R.6 W.

Latitudes, departures and closing errors.

Line Designated	True	Distance chrs.	Latitude		Departures	
	Bearing		N. chrs.	S. chrs.	E. chrs.	W. chrs.
Uintah Special Base	West	.480.00				.480.00
West Bdy.	North	.480.00	.480.00			
North Bdy.	.S.89°55'W.	.486.10			0.70	.486.10
T.1 N. R.5 W.						
West Bdy. sec.6.S.8°10'W.		.79.20			.79.14	
" " 7.S.0°54'W.		.79.39			.79.88	
" " 18.S.0°40'W.		.79.94			.79.93	
" " 19.S.0°40'W.		.80.07			.80.69	
" " 30.S.0°23'W.		.80.03			.80.63	
" " 31.South		.80.06			.80.66	
Convergency						0.62
					.480.00	.479.80
					.486.72	.486.65
Error in lat. and dep.		0.20				0.07

Harry D. Heist
U.S. DEPUTY SURVEYOR.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by

Harvey D. Heist

, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of N.E. 1/4 N.W. 1/4 Bds. of T. 1 N., R. 2 W.; N. Bay. of T. 1 N., R. 3 W.; W. Bay. of T. 1 N., R. 5 W.; N. 1/4 W. Bds. of T. 1 N., R. 6 W.; E. 1/4 of the Meridian Merid. Base Line, meridian, in the state of Utah.
 showing the respective capacities in which they acted:

Earl Woolley, Chairman.William Halquist, Chairman.Alma Johnson, Moundman.Harry Payne, Axman.Joseph Erickson, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Harvey D. Heist,

, United States Deputy Surveyor, in surveying all

those parts or portions of the N.E. 1/4 N.W. 1/4 Bds. of T. 1 N., R. 2 W.; N. Bay. of T. 1 N., R. 3 W.; W. Bay. of T. 1 N., R. 5 W.; N. 1/4 W. Bds. of T. 1 N., R. 6 W.
Special Pass, meridian, in the state of Utah, of the United

which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Earl Woolley, Chairman.William Halquist, Chairman.Alma Johnson, Moundman.

, Moundman.

Harry Payne, Axman.

, Axman.

Joseph Erickson, Flagman.

Subscribed and sworn to before me this

14

day of September, 1903.

Harvey D. Heist
H. D. Heist, Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Harvey D. Keist, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Aldersey, United States Surveyor General for the State of Utah, bearing date of the 20th day of July, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of N.E. & S.W. Bdry. of T.I.N.R. 2 W. N. Bdry. of T.I.N.R. 3 W.; W Bdry. of T.I.N.R. 45 W.; N. E. & S. Bdry. of T.I.N.R. 6 S.;

I, Harvey D. Keist, of the town of the City of Salt Lake, Special Base and Meridian in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Harvey D. Keist
United States Deputy Surveyor.

Subscribed by said Harvey D. Keist, and sworn to before me this 12th day of January, 1904.

○○○○○
O SEAL O
○○○○○

Edward H. Aldersey
U.S. Surveyor General
of Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, April 12, 1904

The foregoing field notes of the survey of the South and West Boundaries of Township 1 North Range 6 West of the Uintah Special Base and Meridian, Utah

executed by Harvey D. Keist
under his contract No. 266, dated July 20 - 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Aldersey
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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FILEDJAN 19 1904
*W.H.*I.
BOOK A-304*L.H.*

FIELD NOTES

OF THE ⁱⁿ SURVEY OF THE

East Boundary

of
Township No. 1 North
Range No. 6 West.of the Minkah Special Base Meridian,
in the state of Utah

AS SURVEYED BY

Harvey D. Heist, United States Deputy Surveyor,

Under his Contract No. 266, dated July 20, 1903.

Survey commenced September 15, 1903.

Survey completed September 16, 1903.

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NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley Chairman
William Walquist "
Alma Johnson Treasurer
Harry Payne "
Joseph Erickson Flagman

Volume

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#

R0304

BOOK A-304

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Township 1 NW, Range 6 NW

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, George H. Cleary and William Halquist, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the ground, and plant the tally pins, either by sticking or dropping the same; that we will ascertain the distance to all notable objects, and the true lengths of all lines that we assist in surveying, according to the best of our skill and ability, and in accordance with instructions given us, in the survey of
 Land of the U.S. R. & W., V. Bdy. of T. N. R. 3 N.
 15th Merid. of L. S. D. in the State of Wash., as will C. J. Chairman,
 William Halquist, Chairman,

Solemnly sworn to before me this 15th day of January, A.D. 1903.

George H. Cleary
C. J. Surveyor

We, G. H. Cleary and William Halquist, do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of
 Land of the U.S. R. & W., V. Bdy. of T. N. R. 3 N.
 15th Merid. of L. S. D. in the State of Wash., as Moundman,
 C. J. Surveyor

Moundman.

Solemnly sworn to before me this 15th day of January, A.D. 1903.

William Halquist
C. J. Surveyor

We, George H. Cleary and William Halquist, do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners, according to instructions given us, to the best of our skill and ability, in the survey of
 Land of the U.S. R. & W., V. Bdy. of T. N. R. 3 N.
 15th Merid. of L. S. D. in the State of Wash., as Axman,
 C. J. Surveyor

Axman.

Solemnly sworn to before me this 15th day of January, A.D. 1903.

George H. Cleary
C. J. Surveyor

We, George H. Cleary and William Halquist, do solemnly swear that I will well and truly perform the duties of axmen in the surveying given us, to the best of my skill and ability, in the survey of
 Land of the U.S. R. & W., V. Bdy. of T. N. R. 3 N.
 15th Merid. of L. S. D. in the State of Wash., as Axman.

Solemnly sworn to before me this 15th day of January, A.D. 1903.

William Halquist
C. J. Surveyor

(1)

RESURVEY OF THE EAST BDY.OF T.1 N.,R.6 W.

CHAINS

Survey commenced, September 15, 1903, and executed with the instrument described in book "A", of this survey. Preliminary to commencing the subdivision of this township I run north on a blank line, on the east bdy. of sec.25, at 39.60 chs., the $\frac{1}{4}$ sec.cor., bears 27° 1ks.E. and at 80.03 chs. the cor.of secs.19-24-25 and 30, bears E. 54° 1ks.dist.

The course of this line is therefore, N.0°23' E., and the dist. 80.03 chs.

North, on a blank line, along the E.bdy. of sec.24, at 40.24 chs. the $\frac{1}{4}$ sec.cor., bears E.47° 1ks.dist., and at 80.07 chs. the cor.of secs.13-18-19 and 24, bears E.94° 1ks.dist. the course of this line is therefore N.0°40' E., and the dist., 80.07 chs.

North, on a blank line, along the E.bdy. of sec.13., at 40.00 chs., no trace can be found of the old $\frac{1}{4}$ sec.cor., and at 79.94 chs., the cor.of secs.7-12-13 and 18, bears E.94° 1ks. dist.

The course of this line is therefore, N.0°40' E., and the dist., 79.94 chs.

North, on a blank line, along the E.bdy. of sec.12, at 40.00 chs., no trace can be found of the old $\frac{1}{4}$ sec.cor., and at 79.88 chs., the cor.of secs.1-6-7 and 12, bears E.1.26 chs. dist.

The course of this line is therefore, N.0°54' E., and the dist. 79.88 chs.

North, on a blank line, along the E.bdy. of sec.1, at 40.00 chs., no trace can be found of the old $\frac{1}{4}$ sec.cor., and at 79.14 chs. the re-established cor.of Ts:1 and 3 N.,Rs.5 and 6 W., bears E., 3.00 chs.dist.

The course of this line is therefore N.2°10' E., and the dist. 79.20 chs.

As many of the cors. are nearly obliterated and some are missing, and the township east of this line is surveyed, I resurvey the range line

September 15, 1903.

ELEVATION OF EAST RIV. OF T. 3 N., R. 6 W.

TRAILING.

September 18: At 7 a.m., L.M.T., I set off 40°26' N. on lat. arc; 90°34' W. on long. arc; and determining a meridian with the solar, at the cor. of secs. 25-30-31 and 36, heretofore described.

Distance I ran

7.000 ft., bet. secs. 25 and 30.

Over rocky land, descent through dense artemisia.

2.50 Bottom of hollow, 50 ft. deep, course S.E.

Ascend.

8.50 Top of ridge, bears N.W. and S.E.

Descend.

13.50 Bottom of hollow, 100 ft. deep, course S.E.

19.70 Intersect the 1/16 cor., which is a sandstone, 12x10x4 ins., above ground, marked as described by the surveyor general.

20.00 Top of spur, projects S.E.

Descend.

25.75 Bottom of hollow, 75 ft. deep, course S.E.

Ascend.

28.50 Top of ridge, bears N.E. and S.W.

Begin abrupt descent.

30.80 Intersect the old, sec. cor., which is a sandstone, 8x8x4 ins. above ground, with marks nearly obliterated.

I mark 4 on E. face, and raise a mound of stone, 2 ft. base, 1 ft. high, E. of cor.

Site impracticable.

30.82 Intersect the 1/16 cor., which is a sandstone, 12x5x4 ins. above ground, marked as described by the surveyor general.

31.20 Bottom of hollow, 400 ft. below ridge, course S.E.

Start abrupt ascent.

31.70 Intersect cor. of secs. 19-24-35 and 36, which is a sandstone 8x8x4 ins. above ground, with marks nearly obliterated; I mark 2 notches on S. and 4 notches on E. side, and raise a mound of stone, 2 ft. base, 1 ft. high, S. of cor.

Site impracticable.

RESURVEY OF EAST. BDY. OF T.1 N., R.6 W.

CHAINS

Land, mountainous.

Soil, rocky 3rd.rate.

No timber.

Mountainous land and dense undergrowth on 80.03 chs.

N.0°40'E., bet. secs. 19 and 24.

Over rocky land, ascend abruptly through dense artemisia and service berry brush.

20.10 Intersect 1/16 cor., which is a sandstone, 13x13x4 ins. above ground, marked as described by the surveyor general.

36.50 Top of spur, projects W., 300 ft. above sec.cor.

Begin abrupt descent.

40.24 Intersect $\frac{1}{4}$ sec.cor., which is a sandstone, 11x11x5 ins. above ground, with marks nearly obliterated., I mark $\frac{1}{4}$ on W.face, and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.

49.40 Bottom of ravine, 300 ft. below spur, course S.W.

Begin abrupt ascent.

61.20 Intersect 1/16 cor., which is a sandstone, 10x6x8 ins. above ground, marked as described by the surveyor general.

68.00 Top of spur, projects S.W.

Descend..

77.00 Bottom of ravine, 150 ft. deep, course S.W.

Ascend.

— 80.07 Intersect the cor.of secs. 13-18-19 and 24, which is a sandstone, 16x13x3 ins. above ground, with marks nearly obliterated,I mark 3 notches on N.and S.edges, and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.

Land mountainous.

Soil, rocky 3rd.rate.

No timber.

Mountainous land and dense undergrowth on 80.07 chs.

RESURVEY OF EAST RDY. OF T.1 N., R.6 W.

CHAINS

N.0°40'E., bet. secs. 13. and 18.

Over rocky land, ascend abruptly through dense artemisia, oak and service berry brush.

19.98½ Set a sandstone, 13x8x6 ins., 8 ins. in the ground, for re-established 1/16 cor., marked 1/16 on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Pits impracticable.

No trace can be found of the old 1/16 cor.
Top of ridge, 400 ft. above sec. cor. bears N.W. and S.E.

Descend.

39.97 Set a sandstone, 15x10x7 ins., 10 ins. in the ground, for re-established ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 3 ft. base, 1½ ft. high, W. of cor.

Pits impracticable.

No trace can be found of the old ¼ sec. cor.
This cor. is set in a bottom of hollow, 50 ft. deep, course E.

Ascend.

44.00 Top of spur, projects E.

Descend.

57.00 Bottom of ravine, 150 ft. deep, course S.E.

Ascend.

59.95½ Set a sandstone, 13x8x8 ins., 8 ins. in the ground, for re-established 1/16 cor., marked 1/16 on W. face, and raise a mound of stone, 3 ft. base, 1½ ft. high, W. of cor.,

Pits impracticable.

No trace can be found of the old 1/16 cor.

- 79.94 Intersect the cor. of secs. 7-12-13 and 18, which is a sandstone, 14x10x10 ins. above ground, with marks nearly obliterated, I mark 4 notches on S. and 3 notches on N. edges, raise a mound of stone, 3 ft. base, 1½ ft. high, W. of cor.

Pits impracticable.

Land mountainous.

Soil, rocky 3rd. rate.

No timber.

Mountainous land and dense undergrowth on 79.94 chs.

September 16: At this cor. I set off 2°55' N. on decl. arc; and at 11h.55m., a.m., 1.m.t., observe the sun on the meridian, the resulting lat. is 40°30' N.

RE-SURVEY OF EAST BDY. OF T.L.V., P.G. T.

CHAINS

N.0°54'E., bet. secs. 7 and 12.

Over rocky land, ascend abruptly through dense artemisia and service berry brush.

- 9.00 Enter dense young aspen timber, bears E. and W.
- 12.00 Leave timber, bears E. and W.
- 19.00 Top of spur, projects S.E.
- Enter heavy aspen timber, bears N.W. and S.E. Descend.
- 19.97 Intersect 1/16 cor., which is a sandstone, 12x4x4 ins. above ground, marked as described by the surveyor general.
- 36.00 Head of hollow, course S.E.
- Begin abrupt ascent.
- 39.94 Set a sandstone, 12x8x8 ins., 8 ins. in the ground, for re-established $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face, from which
- An aspen, 15 ins. diam., bears N.50°E., 6 lks.dist., marked $\frac{1}{4}$ S 7 B T.
- An aspen, 15 ins. diam., bears S.12°W., 17 lks.dist., marked $\frac{1}{4}$ S 12 B T.
- No trace can be found of the old $\frac{1}{4}$ sec.cor.
- 50.00 Enter heavy pine timber, bears E. and W.
- 59.91 Intersect 1/16 cor., which is a sandstone, 12x6x4 ins. above ground, marked as described by the surveyor general.
- 79.89 Intersect cor. of secs. 1-6-7 and 13, which is a sandstone, 15x6x6 ins. above ground, with marks nearly obliterated and bearing trees destroyed.
- I mark 5 notches on S. and 1 notch on N. edges, from which
- A pine, 12 ins. diam., bears N.11°E., 29 lks.dist., marked T 1 N R 5 W S 6 B T.
- A pine, 10 ins. diam., bears S.48°E., 18 lks.dist., marked T 1 N R 5 W S 7 B T.
- A pine, 15 ins. diam., bears S.10°W., 21 lks.dist., marked T 1 N R 6 W S 12 P T.
- An aspen, 6 ins. diam., bears N.42°W., 33 lks.dist., marked T 1 N R 6 W S 1 B T.
- Land, mountainous,
- Soil, rocky, 3rd. rate.

RE-SURVEY OF EAST BDY. OF T.1 I., R.6 W.

CHAINS

Timber, aspen and pine.

Mountainous land and dense undergrowth or heavily timbered on 79.89 chs.

N.2°10'E., bet. secs. 1 and 6.

over rocky land, ascend through heavy pine timber.

4.50 Begin abrupt ascent, bears N.W. and S.E.

19.80 Set a sandstone, 12x8x8 ins., 8 ins. in the ground, for re-established 1/16 cor., marked 1/16 on " face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, " of cor.

Pits impracticable.

No trace can be found of the old 1/16 cor.

39.60 Set a trachyte stone, 15x12x6 ins., 10 ins. in the ground, for re-established $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on " face, from whichA pine, 30 ins. diam., bears S.70°E., 70 lks. dist., marked $\frac{1}{4}$ S 6 B.T.A pine, 10 ins. diam., bears S.65°W., 5 lks. dist., marked $\frac{1}{4}$ S 1 B.T.No trace can be found of the old $\frac{1}{4}$ sec. cor.

45.00 Top of divide between West Fork of Lake Fork Creek and Rock Creek canons, bears N.W. and S.E.

Descend.

59.40 Set a sandstone, 14x10x5 ins., 9 ins. in the ground, for re-established 1/16 cor., marked 1/16 on " face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, " of cor.

Pits impracticable.

No trace can be found of the old 1/16 cor.

79.20 The re-established cor. to Tps. 1 and 2 N., Rs. 5 and 6 W. heretofore described.

Land, mountainous.

Soil, rocky, stony.

Timber, yellow pine of commercial value.

Mountainous land and heavily timbered on 79.20 chs.

September 16, 1903.

(7)

RESURVEY OF EAST BDY. OF T.1 N., R.6 W.

For general description, see subdivisions of T.1 N., R.6 W.

Hayward H. Hunt

U.S. DEPUTY SURVEYOR.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

showing the respective capacities in which they acted:

_____, *Chairman.*
For final affidavits see book "S" J. Idr. R. 344. _____, *Chairman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, *Chairman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

Subscribed and sworn to before me this _____
 day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from United States Surveyor General for, bearing date of the day of , 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

For final affidavit see book "L" D. I. Jr. R. 3 W.

..... of the meridian, in the of which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said and sworn to before me }
this day of , 190 }

cccccc
O SEAL O
cccccc

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah April 12 1904 190

The foregoing field notes of the survey of the East Boundary of Township North Range, West of the thirtieth Special Base and Meridian, Utah,

executed by *Warren D. West*
under his contract No. 266, dated July 20, 1903 , 190 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Alderson
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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J.
BOOK A-304

FILED
JAN 12 1904
(WJD)

FIELD NOTES

X.3.10. OF THE SURVEY OF THE

Subdivision

*of Township No. 1 North
Range No. 6 West.*

*of the Clinton Special Parallel Meridian,
in the state of Utah.*

AS SURVEYED BY

Surveyor G. L. French United States Deputy Surveyor,
Under his Contract No. 266 dated July 20, 1903.
Survey commenced September 17, 1903.
Survey completed October 3, 1903.

*High 60-05-89
July 5.3.10*

NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley Chairman
William Walquist " "
Alma Johnson Manager
Harry Payne Axeman
Joseph Erickson Flag man

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BOOK A-304

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, Earl Woolley and William Walquist, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of Subdivisions of Tps. SING. R. 2 - 5 - 6 W., of the Mintah Special Base and Meridian, in the state of Utah. Earl Woolley, Chainman. William Walquist, Chainman.

Subscribed and sworn to before me this 17
day of September, 1903 }



Harvey St. Fife
H. S. Fife, Surveyor

We, Alma Johnson and Alma Johnson, do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of Subdivisions of Tps. 1 N. R. 2 - 3 - 5 - 6 W., of the Mintah Special Base and Meridian, in the state of Utah. Alma Johnson, Moundman. Alma Johnson, Moundman.

Subscribed and sworn to before me this 17
day of September, 1903 }



Harvey St. Fife
H. S. Fife, Surveyor

We, Harry Payne and Harry Payne, do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of Subdivisions of Tps. 1 N. R. 2 - 3 - 5 - 6 W., of the Mintah Special Base and Meridian, in the state of Utah. Harry Payne, Axman. Harry Payne, Axman.

Subscribed and sworn to before me this 17
day of September, 1903 }



Harvey St. Fife
H. S. Fife, Surveyor

I, Joseph Erickson, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of Subdivisions of Tps. 1 N. R. 2 - 3 - 5 - 6 W., of the Mintah Special Base and Meridian, in the state of Utah. Joseph Erickson, Flagman.

Subscribed and sworn to before me this 17
day of September, 1903 }



Harvey St. Fife
H. S. Fife, Surveyor

SUBDIVISIONS OF T. J N R 6 V
ain.

Survey commenced Sept. 17, 1903, and executed with the instrument, described in book "A" of this survey. I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At the base line cor. to secs. 35 and 36, heretofore described, latitude $40^{\circ}26'20''N.$, longitude $10^{\circ}32'43''W.$; I set off $40^{\circ}26'N.$ on the lat. arc; $2^{\circ}28'N.$ on the decl. arc; and, at 4h p.m., l.m.t., determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground, 5 chs. N. of the cor.

At 7h 46m p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

Sept. 17, 1903.

Sept. 18: At 6 h 30 m A.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}35'$ to the west, and mark the meridian thus determined, by cutting a small groove in the stone set yesterday, on which the meridian falls 0.4 ins. east of the mark determined by the solar.

At 7 a.m., l.m.t., I set off $40^{\circ}26'N.$ on the lat. arc; $2^{\circ}15'N.$ on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.3 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about $0'21''$ west and $0'16''$ east of the meridians established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

SUBDIVISIONS OF T. 1 N., R. 6 W.

chains.

The magnetic bearing of the true meridian, at 7 a.m., is N. $16^{\circ}41'W.$; the angle thus determined gives the mag. decl. $16^{\circ}41'E.$

From the sec.cor.already described, I run

$N.0^{\circ} 01'W.$ bet. secs. 35 and 36.

Ascend through dense artemisia.

3.25 Enter heavy cedar and pinon timber, bearing E. and W.

Begin abrupt ascent.

27.00 Top of ridge bears N.E. and S.W., 250 ft. above base line cor.

Begin abrupt descent.

37.50 Head of hollow, course W.

Begin abrupt ascent.

Leave heavy timber, bearing E. and W., and enter scattering cedar and pinon timber.

40.00 Set a trachyte stone, 20x12x4 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face; from which

A pinon, 5 ins. diam., bears S. $78^{\circ}E.$, 40 lks. dist., marked $\frac{1}{4}$ S 36 B.T.

A cedar, 5 ins. diam., bears S. $23^{\circ}W.$, 60 lks. dist., marked $\frac{1}{4}$ S 35 B.T.

49.00 Top of ridge bears N.E. and S.E.

Descend.

Leave timber.

54.00 Head of hollow, course S.E.

Ascend.

80.00 Set a trachyte stone, 18x8x6 ins., 18 ins. in the ground, for cor.of secs. 25-26-35 and 36, marked with 1 notch on S. and E.edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high "of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky; third rate.

Timber, cedar and pinon.

Mountainous and heavily timbered or dense undergrowth on 80.00 chs.

SUBDIVISIONS OF T. 1 N., R. 6 W.

Chain.

East.on a random line bet.secs.25 and 36.

40.00 Set temp. $\frac{1}{2}$ sec.cor.

79.85 Intersect E.bdy.of the Tp.,7 lks.S.of the re-established cor.of secs.25-30-31 and 36,heretofore described.

Thence I run

S.89°57'W.on a true line

Bet.secs.25 and 36.

Ascend abruptly over rocky land,through dense artemisia and oak brush.

5.50 Top of ridge bears N.and S.

Begin abrupt descent.

Enter heavy cedar and pinon timber,bearing N.and S.

28.00 Bottom of ravine,500. ft.deep,course S.

Begin abrupt ascent.

36.00 Leave heavy timber,bearing N.and S.

Enter scattering cedar and pinon timber.

39.00 Set a sandstone,18x18x10 ins.,12 ins.in the ground, for $\frac{1}{2}$ sec.cor.,marked $\frac{1}{2}$ on N.face;from whichA pinon,4 ins.diam.,bears N.16°W.,90 lks.dist., marked $\frac{1}{2}$ S 25 B T.A pinon,4 ins.diam.,bears S.58°W.,63 lks.dist., marked $\frac{1}{2}$ S 36 B T.

41.00 Top of ridge bears N.E.and S.W.

Descend.

79.85 The cor.of secs.25-26-35 and 36.

Land,mountainous.

Soil,rocky;third rate.

Timber,cedar and pinon.

Mountainous land and heavily timbered or dense under-growth on 79.85.chs.

Sept.18:At this cor.,I set off 2°08'N.on the decl.

arc;and,at 11h 55m a.m.,1.m.t.,observe the sun on the meridian;the resulting lat.is 40°27'N.

SUBDIVISIONS OF T. 1 N., R. 6 W.

Chains

As the course of the east boundaries of secs. 25-24-13-12 and 1 are not within limits, I run a sectional guide meridian north, from the cor. of secs. 25-26-35 and 36 as follows:

North on a sectional guide meridian

Bet secs. 25 and 26

Over rocky land, ascend through dense artemisia.

3.50 Top of ridge bears N.E. and S.W.

Descend.

12.50 Bottom of hollow, 100 ft. deep, course W.

Ascend.

40.00 Set a trachyte stone, 18x10x5 ins., 13 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

41.00 Top of ridge bears N.E. and S.W.

Begin abrupt descent.

58.00 Enter scattering cedar and pinon timber.

58.50 Bottom of ravine, 200 ft. deep, course N.W.

Ascend.

67.40 Top of spur projects W.

Begin abrupt descent.

73.50 Bottom of ravine, 200 ft. deep, course S.W.

Begin abrupt ascent.

80.00 Set a trachyte stone, 18x15x8 ins., 12 ins. in the ground, for cor. of secs. 23-24-25 and 26, marked with 2 notches on the S. and 1 notch on the E. edge; from which A cedar, 5 ins. diam., bears N. 6° E., 17 lks. dist., marked T 1 N R 6 W S 24 E T.

A cedar, 12 ins. diam., bears S. 77° E., 13 lks. dist., marked T 1 N R 6 W S 25 E T.

A pinon, 5 ins. diam., bears S. 53° W., 60 lks. dist., marked T 1 N R 6 W S 26 E T.

A pinon, 5 ins. diam., bears N. 7° W., 14 lks. dist.,

SUBDIVISIONS OF T. 1 N., R. 6 W.

CHAINS

marked T 1 N R 6 W S 23 B T.

Land, mountainous.

Soil, rocky; third rate.

Timber, cedar and pinon.

Mountainous and dense undergrowth on 80.00 chs.

Sept. 18th, 1903.

Sept. 19: At 7 a.m., l.m.t., I set off $40^{\circ}28'N.$ on the lat. arc; $1^{\circ}51'N.$ on the decl. arc; and determine a meridian with the solar at the cor. of secs. 23-24-25 and 26. Thence I run

North on a sectional guide meridian

Bet. secs. 23 and 24.

Over rocky land, ascend abruptly through dense artemisia, and scattering cedar and pinon timber.

10.50 Leave timber.

40.00 Set a trachyte stone, 18x10x4 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor.; marked $\frac{1}{2}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

Pits impracticable

56.00 Top of ridge, 300 ft. above sec. cor., bears N.W. and S.E. Descend.

76.00 Enter scattering aspen timber.

80.00 Set a sandstone, 18x10x4 ins., 12 ins. in the ground, for cor. of secs. 13-14-23 and 24, marked with 3 notches on the S. and 1 notch on the E. edge; from which

An aspen, 4 ins. diam., bears N. $33^{\circ}E.$, 19 lks. dist., marked T 1 N R 6 W S 13 B T.

An aspen, 3 ins. diam., bears S. $62^{\circ}E.$, 20 lks. dist., marked T 1 N R 6 W S 24 B T.

An aspen, 5 ins. diam., bears S. $64^{\circ}W.$, 4 lks. dist., marked T 1 N R 6 W S 23 B T.

An aspen, 3 ins. diam., bears N. $43^{\circ}W.$, 19 lks. dist., marked T 1 N R 6 W S 14 B T.

Land, mountainous.

SUBDIVISIONS OF TP.1 N., R. 6 W.

CHAINS

Soil, rocky; third rate.

Timber, aspen, cedar and pinon.

Mountainous land and dense undergrowth on 80.00 chs.

North on sectional guide meridian

Bet. secs. 13 and 14.

Over rocky land, descend through dense artemisia, service berry brush and scattering aspen timber.

3.50 Leave timber.

24.00 Bottom of canon, 250 ft. deep, course S.E.

Begin abrupt ascent.

40.00 Set a trachyte stone, 18x8x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

Pits impracticable.

58.00 Top of spur projects W.

Begin abrupt descent.

80.00 Set a trachyte stone, 18x12x6 ins., 12 ins. in the ground, for cor. of secs. 11-12-13 and 14, marked with 4 notches on the S. and 1 notch on the E. edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky; third rate..

Mountainous land and dense undergrowth on 80.00 chs.

Sept. 19: At this cor., I set off $1^{\circ}44'N$. on the decl. arc; and, at 11h 54m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $40^{\circ}30'N$.

North on a sectional guide meridian

Bet. secs. 11 and 12.

Over rocky land, descend through dense artemisia.

0.15 Bottom of ravine, 150 ft. deep, course S.W.

Begin abrupt ascent.

25.00 Top of spur projects E.

SUBDIVISIONS OF Tp.1 N., R.6 W.

Chain

Descend.

30.00 Enter heavy aspen timber, bearing E. and W.

32.00 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

39.00 Leave heavy timber, bearing E. and W.

40.00 Set a trachyte stone, 30x12x4 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on W. face; from whichAn aspen, 4 ins. diam., bears S.72°E., 68 lks. dist., marked $\frac{1}{2}$ S 12 B.T.An aspen, 4 ins. diam., bears S.5°W., 1.16 chs. dist., marked $\frac{1}{2}$ S 11 B.T.80.00 Set a trachyte stone, 18x8x8 ins., 12 ins. in the ground, for cor. of secs. 1-2--11 and 12, marked with 5 notches on the S. and 1 notch on the E. edge; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

Pits impracticable,

This cor. stands 800 ft. above cor. of secs. 11-12-13 and 14.

Land, mountainous.

Soil, rocky; third rate.

Timber, aspen.

Mountainous land, and heavily timbered land or dense undergrowth on 80.00 chs.

Knowing the line bet. secs. 1 and 2 will not close within limits on the north bdy. of the Tp.,

I run

. North on a sectional guide meridian

Bet. secs. 1 and 2.

Over rocky land ascend through dense artemisia.

3.60 Enter heavy aspen timber, bearing E. and W.

8.00 Top of ridge bears E. and W..

Descend.

30.00 Bottom of ravine, 150 ft. deep, course S.W.

Begin abrupt ascent.

SUBDIVISIONS OF Tp.1 N., R. 6 W.

Chains.

- 40.00 Set a sandstone, 18x12x4 ins., 12 ins. in the ground, for
 $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face; from which
 An aspen, 5 ins. diam., bears N.34°E., 31 lks.dist.,
 marked $\frac{1}{2}$ S 1 B T.
 An aspen, 6 ins. diam., bears S.78°W., 6 lks.dist.,
 marked $\frac{1}{2}$ S 2 B T.
- 79.19 Intersect N.bdy. of the Tp., 6.57 chs., N.89°55'W., from the
 nor. of secs. 1-2-35 and 36, heretofore described.
 Set a trachyte stone, 16x12x4 ins., 11 ins. in the ground,
 for closing cor.of secs. 1 and 2, marked C C on S.,
 with 1 groove on E. and 5 grooves on the W.faces; from which
 An aspen, 5 ins. diam., bears S.39°E., 16 lks.dist.,
 marked T 1 N R 6 W S 1 B T.
 An aspen, 5 ins. diam., bears S.55°W., 19 lks.dist.,
 marked T 1 N R 6 W S 2 B T.
 I destroy all marks on the cor.of secs. 1-2-35 and 36,
 that pertain to Tp.1 N., R. 6 W.
 Land, mountainous.
 Soil, rocky; third rate.
 Timber, aspen.
 Mountainous land, and heavily timbered land or dense
 undergrowth on 79.19 chs.

Sept. 19, 1903.

September 20: At 7 a.m., I. M. T., I set off 40°28'N. on lat.
 $1^{\circ}28'W.$ on decl. arc; and determine a true meridian with
 the solar, at the cor.of secs. 25-24-25 and 26, heretofore
 described on the sectional guide meridian.

Thence I run

N.89°57'E., on a random line, bet. secs. 24 and 25.

40.00 Set temp. of sec.cor.

30.34 Intersect N.bdy. of Tp., 5 lks.S. of the cor.of secs.
 1-2-34-35 and 36, heretofore described.

Thence I run

S.89°55'W., on a true line,

SUBDIVISIONS OF T.L.N., R.6 W.

CHAINS

Bet. secs. 24 and 25.

Over rocky land, descend abruptly through dense artemisia and scattering service berry brush.

14.00 Bottom of canon, 400 ft. deep, course S.

Begin abrupt ascent.

40.17 Set a trachyte stone, 20x9x6 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

47.00 Top of ridge, bears N. and S..

Begin abrupt descent.

77.00 Bottom of ravine, 200 ft. deep, course S.W.

Begin abrupt ascent.

80.34 The cor. of secs. 23-24-25 and 26.

Land, mountainous.

Soil, rocky, 3rd. rate.

No timber.

Mountainous land and dense undergrowth on 80.34 chs.

From the cor. of secs. 13-14-23 and 24, heretofore described on the sectional guide meridian,

I run

N. $89^{\circ}55'W.$, on a random line, bet. secs. 13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

81.30 Intersect E. bdy. of Tp., 3 lks. S. of the cor. of secs. 13-18-19 and 24, heretofore described.

Thence I run

S. $89^{\circ}54'W.$, on a true line,

Bet. secs. 13 and 24.

Over rocky land, descend through dense artemisia and scattering service berry brush.

3.50 Bottom of hollow, 100 ft. deep, course S.W.
ascend.

15.00 Top of spur, projects S.W.

SUBDIVISIONS OF T.L.N., R.G.W.

CHAINS	Descend.
37.00	Bottom of ravine, 150 ft. deep, course S.W. Begin abrupt ascent.
38.00	Top of spur, projects S.W. Descend.
41.30	Set a trachyte stone, 18x12x10 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor. Pits impracticable.
62.50	Bottom of canon, 250 ft. deep, course S.E. Begin abrupt ascent.
80.00	Enter scattering aspen timber.
81.30	The cor.of secs.13-14-23 and 24. Land, mountainous. Soil, rocky 3rd.rate. Timber, scattering aspen. Mountainous land and dense undergrowth on 81.30 chs. September 20: At this cor.I set off $1^{\circ}21'N.$ on decl.arc; and at 11h.54m., a.m., l.m.t., observe the sun on the meridian, the resulting lat.is $40^{\circ}29'N.$
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	From the cor.of secs.11-12-13 and 14, heretofore described on the sectional guide meridian, I run N. $89^{\circ}54'E.$, on a random line, bet.secs.12 and 13.
40.00	Set temp. $\frac{1}{4}$ sec.cor..
82.31	Intersect E.bdy.of Tp., 3 lks. <u>N.</u> of the cor.of secs.7-12-13 and 18, heretofore described. Thence I run S. $89^{\circ}55'W.$, on a true line, Bet.secs.12 and 13. Over rocky and mountainous land, ascend through dense artemisia and scattering service berry brush.
18.00	Enter heavy aspen timber, bears N.and S..

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

- 21.00 Leave timber, bears N. and S.
- 33.50 Enter heavy aspen timber, bears N. and S.
- 37.50 Top of ridge, bears N. and S.
- Leave timber bears N. and S.
- Descend.
- 43.21 Set a trachyte stone, 15x12x6 ins., 10 ins. in the ground; for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- Pits impracticable.
- 64.50 Enter heavy aspen timber, bears N.E. and S.W.
- 68.00 Leave timber, bears N. and S.
- 82.21 The cor. of secs. 11-12-13 and 14.
- Land, mountainous.
- Soil, rocky 3rd. rate.
- Timber, aspen.
- Mountainous land and heavily timbered or dense undergrowth on 82.21 chs.

From the cor. of secs. 1-2-11 and 12, heretofore described, on the sectional guide meridian.

I run

N. $89^{\circ}55' E.$, on a random line, bet. secs. 1 and 12.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

83.58 Intersect E. bdy. of Tp., 7 lks. N. of the cor. of secs. 1-6-7 and 12, heretofore described.

Thence I run

S. $89^{\circ}58' W.$, on a true line,

Bet. secs. 1 and 12.

Over rocky land, ascend abruptly through heavy aspen and pine timber.

15.50 Top of ridge, 250 ft. above sec. cor., bears N. and S.

Begin abrupt descent.

Leave pine timber.

43.58 Set a sandstone, 36x14x5 ins., 27 ins. in the ground, for

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS	$\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor. Pits impracticable.
71.75	Leave timber, bears N. and S. Enter dense artemisia,
83.58	The cor.of secs.1-2-11 and 12. This cor.is set 600 ft.below top of ridge. Land,mountainous. Soil,rocky 3rd.rate. Timber,aspen and pine. Mountainous land and heavily timbered or dense undergrowth on 83.58 chs.

September 20, 1903.

September 21: At 7 a.m., l.m.t., I set off $40^{\circ}26'N.$ on lat.
arc; $1^{\circ}05'N.$ on decl.arc; and determine a meridian, at the
base line cor.of secs.34 and 35, heretofore described on
the Uintah Special Base Line.

Thence I run

$11.0^{\circ}02'W.$, betsecs.34 and 35.

Over rocky land, descend abruptly through dense artemisia
and scattering oak and service berry brush.

9.50	Enter heavy aspen timber,bears E.and W.
16.00	Bottom of ravine,200 ft.deep, course E. Begin abrupt ascent.
19.50	Top of spur,projects S.E. Descend. Leave timber,bears E.and W.
34.00	Bottom of ravine,150 ft.deep, course S.E. Ascend.
40.00	Set a trachyte stone,18x10x10 ins.,12 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face, and raise a mound of stone,2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor. Pits impracticable.
45.00	Top of spur,projects E. Begin abrupt descent.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

- 59.00 Foot of abrupt descent, bears E. and W.
 Spring branch, 1 lk. wide, course E.
 Enter bottom of Rock Creek Canon.
 Begin gradual descent.
- 61.00 Canon road, bears N.W. and S.E.
- 80.00 Set a trachyte stone, 18x12x8 ins., 12 ins. in the ground,
 for cor. of secs. 26-27-34 and 35, marked with 1 notch on S.
 and 2 notches on E. edges, and raise a mound of stone, 2 ft.
 base, $1\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.
 Land, mountainous.
 Soil, rocky on 59.00 chs. 3rd. rate.
 balance. bottom land 2nd. rate.
 Timber, aspen.
 Mountainous land, heavily timbered or dense undergrowth
 on 80.00 chs.

- East, on a random line, bet. secs. 26 and 35.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.16 Intersect N. and S. line, 5 lks. S. of the cor. of secs.
 25-26-35 and 36.
 Thence I run
 S. $89^{\circ}58'W.$, on a true line,
 Bet. secs. 26 and 35.
 Over rocky land, descend through dense artemisia and
 scattering service berry brush.
- 1.00 Begin ascent.
- 3.00 Top of low ridge, bears N.E. and S.W.
 Begin abrupt descent.
- 40.08 Set a trachyte stone, 18x9x6 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of
 stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Pits impracticable.
- 71.25 Rock Creek, 1.00 ch. wide, in bottom of canon, 1200 ft. deep,

SUBDIVISIONS OF T.L N., R. 6 W.

CHAINAGE

course S.85°E.

Scattering cottonwood timber along creek.

Begin gradual ascent in bottom of Rock Creek Canon.

80.16 The cor.of secs.26-27-34 and 35.

Land mountainous.

Soil, rocky, 3rd.rate.

Timber, cottonwoods along Rock Creek.

Mountainous land, or dense undergrowth on 80.16 chs.

September 21: At this cor. I set off $0^{\circ}58'N.$ on decl.arc; and at 11h.53m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}27'N.$

N. $0^{\circ}01'W.$, bet. secs.26 and 27.

Over bottom land, in bottom of Rock Creek Canon, through dense artemisia, descend gradually.

7.25 Enter dense willows, birch and service berry brush and cottonwood timber bearing E. and W.

10.50 Rock Creek, 75 lks.wide, course S.E.

22.50 Same creek, 75 lks.wide, course S.W.

39.00 Same creek, 75 lks.wide, course S.E.

40.00 Set a trachyte stone, 18x9x6 ins., 8 ins.in the ground, for sec.cor., marked $\frac{1}{2}$ on W.face, from whichA cottonwood, 10 ins.diam., bears S. $49^{\circ}W.$, 3 lks.dist., marked $\frac{1}{2}$ S. 27 P.T.A cottonwood, 8 ins.diam., bears N. $82^{\circ}E.$, 13 lks.dist., marked $\frac{1}{2}$ S. 26 P.T.

43.50 Leave willows and timber, bears N.W. and S.E.

49.00 Leave canon, bears N.W. and S.E.

Begin abrupt ascent over rocky land.

50.00 Top of spur, projects W.

Set a trachyte stone, 18x8x6 ins., 12 ins.in the ground, for cor.of secs.22-23-26 and 27, marked with 2 notches on S. and E.edges, and raise a mound of stone, 3 ft.base, 1 $\frac{1}{2}$ ft. high, " of cor.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

Pits impracticable.

Land, nearly level on 69.00 chs.

balance mountainous.

Soil, bottom land 2nd.rate on 69.00 chs.

balance rocky 3rd.rate.

Timber, cottonwood along Rock Creek.

Dense undergrowth, heavily timbered or mountainous land on 80.00 chs.

N.89°58' E., on a random line, bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec.cor:

80.14 Intersect N. and S.line, 3 lks.S. of the cor.of secs. 23-24-25 and 26.

Thence I run

S.89°57' W., on a true line,

Bet. secs. 23 and 26.

Over rocky land, ascend abruptly through dense artemisia, and scattering cedar and pinon timber.

15.00 Top of spur, 200 ft. above sec.cor., projects S.W.

Begin abrupt descent.

27.50 Bottom of hollow, 100 ft. deep, course S.W.

Begin abrupt ascent. Leave timber.

33.50 Top of spur, projects S.W., descend.

40.07 Set a trachyte stone, 18x13x8 ins., 13 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.

Pits impracticable.

56.00 Bottom of ravine, 150 ft. deep, course S.W.

Ascend.

74.50 Top of spur, projects S.W.

Begin abrupt descent along top of spur projecting W.

80.14 The cor.of secs. 22-23-26 and 27...

Land, mountainous.

Soil, rocky 3rd.rate.

Timber, cedar and pinon.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS	Mountainous land and dense undergrowth on 80.14 chs. September 21.1903.
	September 22: At 7 a.m., l.m.t., I set off $40^{\circ}28'N$.on lat. arc; $0^{\circ}41'W$.on decl.arc; and determine a meridian with the solar, at the cor.of secs.22-23-26 and 27. Thence I run $N.0^{\circ}01'W.$, bet.secs.22 and 23. Over rocky land, descend along steep west slope through dense artemisia, oak, and service berry brush.
24.00	Bottom of hollow, 75 ft. deep, course S.W. Ascend.
38.00	Top of spur, projects E. Descend.
40.00	Set a trachyte stone, 15x13x10 ins., 10 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor. Pits impracticable.
46.00	Bottom of hollow, 50 ft. deep, course S.E. Ascend.
49.00	Top of spur, projects S.E. Descend.
55.00	Bottom of hollow, 100 ft. deep, course S.E. Ascend.
80.00	Set a trachyte stone, 20x14x12 ins., 15 ins. in the ground, for cor.of secs.14-15-23 and 23, marked with 3 notches on S. and 3 notches on E.edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor. Pits impracticable. This cor.is set 500 ft.above the cor.of secs. 22-23-26 and 27. Land,mountainous.. Soil,rocky 3rd.rate. No timber.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

Mountainous land and dense undergrowth on 80.00 chs.

N. $89^{\circ}57' E.$, on a random line, bet. secs. 14 and 23.

40.00 Set temp. $\frac{1}{2}$ sec.cor.

80.10 Intersect N. and S. line, 5 lks. N. of the cor. of secs.
13-14-23 and 24.

Thence I run

S. $89^{\circ}59' W.$, on a true line,

Bet. secs. 14 and 23.

Over rocky land, ascend abruptly through dense artemisia,
oak and scattering aspen timber.

6.50 Top of ridge, bears N.W. and S.E.

Descend. Leave timber.

31.00 Bottom of hollow, 100 ft. deep, course S.

Ascend.

37.00 Top of ridge, bears N. and S.

Begin abrupt descent.

40.05 Set a trachyte stone, 24x10x7 ins., 18 ins. in the ground,
for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on N. face, and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

48.00 Bottom of hollow, 150 ft. below ridge, course S.

Begin abrupt ascent.

53.15 Top of ridge, bears N. and S.

Begin abrupt descent..

80.10 The cor. of secs. 14-15-22 and 23.

Land, mountainous.

Soil, rocky 3rd.rate.

Timber, aspen.

Mountainous land and dense undergrowth on 80.10 chs.

September 22: At this cor. I set off $0^{\circ}34' N.$ on decl.arc;
and at 11h.53m., a.m., l.m.t., observe the sun on the
meridian, the resulting lat. is $40^{\circ}29' N.$

SUBDIVISIONS OF T.I. N., R.6 W.

CHAINS	N.0°01'W., bet. secs. 14 and 15.
	Over steep, rocky, west slope, ascend through dense artemisia and oak brush.
14.50	Top of ridge, bears N.E. and S.W.
	Descend.
25.00	Head of hollow, course W.
	Ascend.
40.00	Set a trachyte stone, 20x8x8 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
80.00	Set a trachyte stone, 18x15x10 ins., 12 ins. in the ground, for cor. of secs. 10-11-14 and 15, marked with 4 notches on S. and 2 notches on E. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	This cor. is 300 ft. above the cor. of secs. 14-15-23 and 23.
	Land, mountainous.
	Soil, rocky and rate.
	No timber.
	Mountainous land and dense undergrowth on 80.00 chs.
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	N.89°59'E., on a random line, bet. secs. 11 and 14.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
79.98	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 11-12-13 and 14.
	Thence I run
	S.89°58'W., on a true line,
	Bet. secs. 11 and 14.
	Over rocky land, descend through dense artemisia and scattering service berry brush.
0.15	Bottom of ravine, 150 ft. deep, course S.W.
	Ascend.
4.00	Enter dense aspen thicket, bears N.E. and S.W.
5.50	" top of spur, projects S.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

Leave aspens.

Descend.

9.50 Bottom of ravine, 150 ft. deep, course S.E.

Begin abrupt ascent.

16.50 Top of spur, projects S.

Begin abrupt descent.

30.50 Bottom of canon, 300 ft. deep, course S.E.

Begin abrupt ascent.

37.00 Enter heavy aspen timber, bears N.W. and S.E.

39.50 Leave timber, bears N.W. and S.E.

39.99 Set a trachyte stone, 18x9x6 ins., 12 ins. in the ground, for
 $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, from which

An aspen, 3 ins. diam., bears N.32°W., 39 lks. dist.,
 marked $\frac{1}{4}$ S. 11 B T.

An aspen, 4 ins. diam., bears S.61°E., 1.15 chs. dist.,
 marked $\frac{1}{4}$ S 14 B T.

41.50 Top of spur, projects S.E.

Descend.

47.50 Head of hollow, course S.E.

Ascend.

51.00 Top of ridge, bears N.W. and S.E.

Begin abrupt descent.

79.98 The cor.of secs.10-11-14 and 15.

Land, mountainous.

Soil, rocky 3rd.rate.

Timber, aspen.

Mountainous land and dense undergrowth or heavily
 timbered on 79.98 chs.

September 22, 1903.

September 23: At 7 a.m. I set off 40°30'N. on lat. arc;
 0°18'N. on decl. arc; and determine a meridian with the sola.
 at the cor.of secs.10-11-14 and 15.

Thence I run

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS	N.0°01'W., bet. secs. 10 and 11.
	Over steep, rocky, west slope, ascend through dense artemisia and scattering service berry brush.
7.00	Top of spur, projects W. Begin abrupt descent.
20.00	Bottom of hollow, 150 ft. below spur, course S.W. Ascend.
25.00	Top of spur, projects S.W. Descend.
31.25	Bottom of ravine, 150 ft. deep, course S.W. Begin abrupt ascent.
40.00	Set a trachyte stone, 18x18x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
49.50	Top of spur, projects S.W. Begin abrupt descent.
64.00	Bottom of ravine, 250 ft. deep, course S.W. Begin abrupt ascent.
80.00	Set a quartzite stone, 16x8x4 ins., 11 ins. in the ground, for cor. of secs. 3-3-10 and 11, marked with 5 notches on S. and 3 notches on E. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky 3rd. rate. No timber. Mountainous land and dense undergrowth on 20.00 chs.
	II.89°58'E., on a random line, bet. secs. 2 and 11.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
20.08	Intersect II. and S. line, 3 lks. S. of the cor. of secs. 1-2-11 and 12.. Thence I run
	S.89°57'W., on a true line.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

Bet. secs. 2 and 11.

Over mountainous and rocky land, descend abruptly through dense artemisia.

4.00 Enter heavy aspen timber, bears N. and S.

36.00 Head of hollow, course S.E.

Leave timber bears N. and S.

Ascend.

40.04 On top of ridge, bears N.E. and S.W.

Set a trachyte stone, 20x10x6 ins., 15 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on N. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

Begin abrupt descent.

72.50 Bottom of ravine, 250 ft. deep, course S.W.

Begin abrupt ascent.

80.08 The cor.of secs. 2-3-10 and 11.

Land mountainous.

Soil, rocky 3rd.rate.

Timber, aspen,

Mountainous and heavily timbered or dense undergrowth on 80.08 chs.

September 33: At this cor. I set off 0° 01' N. on decl. arc; and at 11h.53m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 40° 31' N.

Knowing the line, bet. secs. 2 and 3 will not close within limits on the N.bdy. of the Tp.

I. run

N. 0° 01' W., on a true line,

Bet. secs. 2 and 3.

Over rocky land, ascend abruptly through dense artemisia. oak and service berry brush.

34.00 Top of ridge, bears N.E. and S.W.

Descend.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

- 40.00 Set a quartzite stone, 18x12x8 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face, and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
Pits impracticable.
- 43.50 Head of hollow, course S.W.
Enter heavy aspen timber, bears E. and W.
- 71.00 Top of ridge, bears N.W. and S.E.
Descend.
- 79.38 Intersect N.bdy. of Tp., 6.68 chs., N.89°55'W. from the cor. of secs. 2-3-34 and 35, heretofore described.
Set a trachyte stone, 18x13x5 ins., 12 ins. in the ground, for closing cor. of secs. 2 and 3, marked with C C on S.face with 3 grooves on E. and 4 grooves on W faces, from which
An aspen, 6 ins. diam., bears S.75°E., 37 lks. dist.,
marked T 1 N R 6 W 2 B T.
An aspen, 4 ins. diam., bears S.42°W., 40 lks. dist.,
marked T 1 N R 6 W S 3 B T.
I destroy all marks on the cor. of secs. 2-3-34 and 35 that pertain to T.1 N., R.6 W.
Land, mountainous.
Soil, rocky and rate.
Timber, aspen.
Mountainous land and heavily timbered or dense undergrowth on 79.38 chs.

September 23, 1903.

September 24: At 7 a.m., l.m.t., I set off 40°26'N.on lat. arc; 0°05'S.on decl.arc; and determine a meridian with the solar, at the base line cor. of secs. 33 and 34, heretofore described, on the Uintah Special Base Line.

Hence I run

N.0°02'W., bet. secs. 33 and 34.

Over rocky land, descend through dense artemisia and scattering service berry brush.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

- 40.00 Set a trachyte stone, 18x12x4 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W.of cor.
Pits impracticable.
- 58.25 Bottom of canon, 300 ft. deep, course E.
Begin abrupt ascent.
- 65.80 Top of ridge bears E. and W.
Begin abrupt descent.
- 74.00 Bottom of hollow, 150 ft. deep, course E.
Ascend.
- 80.00 Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground, for cor.of secs. 27-28-33 and 34, marked with 3 notches on the E. and 1 notch on the S.edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W.of cor.
Pits impracticable.
Land, mountainous.
Soil, rocky; third rate.
No timber.
Mountainous land and dense undergrowth on 80.00 chs.

East on a random line bet.secs. 27 and 34.

- 40.00 Set temp. $\frac{1}{2}$ sec.cor.
80.04 Intersect N. and S.line, 3 lks.N. of the cor.of secs.
26-27-34 and 35.
Thence I. run

N. $89^{\circ}59'W.$ on a true line

Bet. secs. 27 and 34.

Ascend over bottom lands in Rock Creek Canon, through dense artemisia and scattering service berry brush.

- 26.00 Canon road bears N.W. and S.E.
29.00 Leave bottom of canon.
Begin abrupt ascent over rocky land, bearing N.W. and S.E.
40.00 Set a trachyte stone, 18x12x5 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on N.face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N.of cor.

SUBDIVISIONS OF T. 1 N., R. 6 W.

(24)

Chains.

Pits impracticable.

20.04 The cor.of secs.27-28-33 and 34.

This cor.is set 400 ft.above Rock Creek.

Land,bottom and mountainous.

Soil,bottom land on 20.00 chs.2nd.rate.

balance rocky 3rd.rate.

No timber.

Mountainous land or dense undergrowth on 20.04 chs.

September 24: At this cor.I set off 0°12'S.on decl.arc; and at 11h.53m.,a.m.,l.m.t.,observe the sun on the meridian,the resulting lat.is 40°37'N.

II.0°02'W.,bet.secs.27 and 28.

Over rocky land,ascend abruptly through dense artemisia and service berry brush.

5.00 Top of spur,projects S.E.

Descend.

8.00 Head of hollow,100 ft.below spur,course S.E.

Ascend.

12.50 Top of spur,projects E.

Descend.

20.75 Bottom of hollow,150 ft.deep,course S.E.

Ascend.

27.00 Top of spur,projects S.E.

Begin abrupt descent.

40.00 Set a sandstone,18x10x10 ins.,12 ins.in the ground,for cor.cor.,marked w.on "face, and raise a mound of stone, 2 ft.base,1/2 ft.high." of cor.

Pits impracticable.

40.00 Foot of abrupt descent,bears N.W. and S.E.

Enter bottom of Rock Creek canon.

Begin gradual descent.

42.50 Spring branch,1 m.wide,course N.E.

40.00 Set a trachite stone,20x8x8 ins.,15 ins.in the ground,for cor.of secs.21-22-27 and 28,marked with 2 notches on S.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

and 3 notches on E.edges, and raise a mound of stone, 3 ft.

base, $1\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.

Land, bottom and mountainous.

Soil, rocky on 60.00 chs., 3rd.rate..

balance bottom land 2nd.rate.

No timber.

Mountainous land or dense undergrowth on 80.00 chs.

S. $89^{\circ}59' E.$, on a random line, bet.secs.23 and 27.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.08 Intersect N.and S.line, 5 lks.N.of the cor.of secs.

23-25-26 and 27.

Thence I run

N. $89^{\circ}57' W.$, on a true line,

Bet.secs.23 and 27.

Over rocky land, descend abruptly through dense artemisia and oak brush.

4.75 Bottom of hollow, 100 ft. deep, course S.

Ascend.

11.00 Top of spur, projects S.

Begin abrupt descent..

19.00 Foot of abrupt descent, bears N.W. and S.E.

Enter bottom of Rock Creek Canon.

Begin gradual descent.

37.75 Enter dense willows, birch and scattering cottonwood timber. bears N.W. and S.E.

40.04 Set a trachyte stone, 15x8x8 ins., 10 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on N.face, from which

A birch, 4 ins.diam., bears North, 19 lks.dist.,

marked $\frac{1}{4}$ S 23 B T.

A birch, 4 ins.diam., bears S. $71^{\circ} E.$, 23 lks.dist.,

marked $\frac{1}{4}$ S 27 B T.

41.50 Rock Creek, 60 lks.wide, in bottom of canon, 1200 ft.deep, course S.E.

SUBDIVISIONS OF T.L N., R.6 W.

CHAINS	Begin gradual ascent.
47.50	Leave willows, birch and cottonwood timber, bears N.W. and S.E.
72.90	Spring branch, 1 lk. wide, course N.E.
74.75	Canon road, bears N.W. and S.E.
80.08	The cor. of secs. 21-22-27 and 28. Land, mountainous and bottoms. Soil, rocky on 19.00 chs. 3rd. rate. balance bottom land, 2nd. rate. Timber, cottonwood and birch. Mountainous land or dense undergrowth on 80.08 chs.

September 24, 1903.

September 25: At 7 a.m., l.m.t., I set off $40^{\circ} 28' N.$ on lat. arc; $0^{\circ} 29' S.$ on decl. arc; and determine a meridian with the solar, at the cor. of secs. 21-22-27 and 28.

Thence I run

$N.0^{\circ} 02' W.$, bet. secs. 21 and 22.

Over bottom land in Rock Creek Canon, through dense artemisia.

8.00	Canon road, bears N.W. and S.E.
40.00	Set a trachyte stone, 18x13x5 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
41.00	Enter dense willow brush and scattering cottonwood timber, bears N.W. and S.E. Along west side of Rock Creek, course of creek south.
80.00	Set a trachyte stone, 15x12x10 ins., 10 ins. in the ground, for cor. of secs. 15x16x21 and 22, marked 1 N on N.E., and 6. W on S.E. face, with 3 notches on S. and E. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, nearly level.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

Soil, sandy loam, 2nd. rate.
Timber, scattering cottonwoods.
Dense undergrowth on 80.00 chs.

S.89°57' E., on a random line, bet. secs. 15 and 22.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.06 Intersect N. and S. line, at the cor. of secs.
14-15-22 and 23.
Thence I run

W.89°57' W., on a true line,
Bet. secs. 15 and 22.

Over rocky land, descend through dense artemisia and
scattering oak and service berry brush.

- 8.50 Head of hollow, course S.

Ascend.

- 10.00 Top of ridge, bears N. and S.
Begin abrupt descent.

- 40.03 Set a trachyte stone, 18x12x8 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of
stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
Pits impracticable.

- 75.00 Rock Creek, 60 lks. wide, in bottom of canon, 1200 ft. deep,
course S.
Begin gradual ascent.

- Enter dense willow brush.
80.06 The cor. of secs. 15-16-21 and 22.
This cor. is set 800 ft. below the cor. of secs.
14-15-22 and 23.
Land, mountainous and bottoms.
Soil, rocky on 75.00 chs., 3rd. rate.
balance bottom land, 2nd. rate.

No timber.

Mountainous land or dense undergrowth on 80.06 chs.

September 25; At this cor. I set off 0°36' S. on decl. arc;

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS	and at 11h.52m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}39'N$.
	N. $0^{\circ}02'W$., bet. secs. 15 and 16.
	Over level land, in bottom of Rock Creek Canon, through dense willow brush.
6.50	Rock Creek, 75 lms. wide, in bottom of canon, 1200 ft. deep, course S.E.
	Begin gradual ascent.
8.00	Leave willows, bear N.W. and S.E.
	Enter dense artemisia.
40.00	Set a trachyte stone, 16x8x8 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
42.50	Leave canon, bears N.W. and S. E.
	Begin abrupt ascent over rocky land.
59.00	Enter scattering cottonwood and aspen timber, dense choke cherry and service berry brush.
70.65	Spring branch, 1 lk. wide, course W.
73.00	Leave timber.
80.00	Set a trachyte stone, 20x12x8 ins., 15 ins. in the ground, for cor. of secs. 9-10-15 and 16, marked with 4 notches on S. and 3 notches on E. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.
	Land, bottoms and mountainous.
	Soil, bottom land on 43.50 chs. 2nd. rate.
	balance rocky 3rd. rate.
	Timber, scattering cottonwood and aspens.
	Mountainous land and dense undergrowth on 80.00 chs.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

- S. $89^{\circ}57' E.$, on a random line, bet. secs. 10 and 15.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.12 Intersect N. and S. line, 3 lks. N. of the cor. of secs.
 10-11-14 and 15.
 Thence I run.

$N.89^{\circ}56' W.$, on a true line,

Bet. secs. 10 and 15.

- Over rocky land, descend abruptly through dense artemisia and scattering service berry brush.
 26.00 Bottom of canon, 300 ft. deep, course S.W.
 Begin abrupt. ascent.
 40.06 Set a trachyte stone, 16x12x6 ins, 1 1/2 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
 Pits impracticable.
 53.50 Top of ridge, bears N. and S.
 Begin abrupt descent.
 56.80 Enter heavy cedar and pinon timber, bears N. and S.
 74.00 Leave timber, bears N. and S.
 80.12 The cor. of secs. 9-10-15 and 16.
 This cor. is 800 ft. below top of ridge.
 Land, mountainous.
 Soil, rocky 3rd. rate.
 Timber, cedar and pinon.
 Mountainous land and dense undergrowth or heavily timbered on 80.12 chs.

September 25, 1903.

September 26: At 7 a.m., l.m.t., I set off $40^{\circ}30' N.$ on 1st. arc; $0^{\circ}52' S.$ on decl. arc; and determine a true meridian, with the solar, at the cor. of secs. 9-10-15 and 16.
 Thence I run

$N.0^{\circ}02' W.$, bet. secs. 9 and 10

Over rocky land, ascend abruptly through dense artemisia

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS	and service berry brush.
15.00	Top of spur, projects W. Begin abrupt descent. Enter scattering cedar and pinon timber.
19.50	Bottom of ravine, 150 ft. deep, course W. Begin abrupt ascent.
39.35	Top of spur, 300 ft. above ravine, projects W. Begin abrupt descent.
40.00	Set a trachyte stone, 18x18x4 ins., 13 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{4}$ on W. face, from which A pinon, 4 ins. diam., bears S.86°E., 6 lks. dist., marked $\frac{1}{4}$ S 10. B T. A pinon, 4 ins. diam., bears S.83°W., 30 lks. dist., marked $\frac{1}{4}$ S. 9 B T..
59.00	Bottom of ravine, 300 ft. deep, course S.W. Begin abrupt ascent. Leave timber.
76.00	Top of ridge, bears N.W. and S.E. Begin abrupt descent.
80.00	Set a trachyte stone, 18x9x6 ins., 12 ins. in the ground, for cor. of secs. 3-4-9 and 10, marked with 5 notches on S. and 3 notches on E. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, " of cor. Pits impracticable. Land, mountainous. Soil, rocky, 3rd. rate. Timber, cedar and pinon. Mountainous land and dense undergrowth on 80.00 chs.
40.00	S.89°56'E., on a random line, bet. secs. 3 and 10. Set temp. $\frac{1}{4}$ sec.cor.
80.04	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 3-3-10 and 11. Thence I run

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

N. $39^{\circ}58'W.$, on a true line,

Bet. secs. 3 and 10.

Over rocky land, ascend abruptly through dense artemisia and service berry brush.

6.00 Top of spur, projects S.

Begin abrupt descent.

17.00 Bottom of ravine, 200 ft. deep, course S.

Begin abrupt ascent.

31.50 Top of sharp, rocky ridge, bears N. and S.

Begin abrupt descent.

40.02 Set a trachyte stone, 16x12x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on N. face, and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

66.50 Bottom of canon, 400 ft. deep, course S.E.

Begin abrupt ascent.

80.04 The cor. of secs. 3-4-9 and 10.

Land, mountainous.

Soil, rocky, 3rd. rate.

No timber.

Mountainous land and dense undergrowth on 80.04 chs.

September 26: At this cor. I set off $0^{\circ}59' S.$ on decl. arc; and at 11h.52m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}31'N.$

Knowing the line, bet. secs. 3 and 4 will not close within limits on the N.bdy. of the Tp.

I run

N. $0^{\circ}02'W.$, on a true line,

Bet. secs. 3 and 4.

Over rocky land, descend abruptly through dense artemisia and service berry brush.

6.00 Bottom of hollow, 100 ft. deep, course E.

Begin abrupt ascent.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

- 40.00 Set a limestone, 18x8x4 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.
- 61.50 Top of spur, 800 ft. above sec. cor., projects E. descend.
- 69.00 Enter dense aspen thicket, bears N. and W.
- 70.00 Bottom of hollow, 100 ft. deep, course E.
Ascend.
- 78.00 Leave thicket, bears N.W. and S.E.
- 79.59 Intersect N.bdy. of Tp., 6.54 chs. N. $89^{\circ}55'W$. from the cor. of secs. 3-4-33 and 34, heretofore described.
Set a limestone, 18x9x6 ins., 12 ins. in the ground, for closing cor. of secs. 3 and 4, marked C C on S., with 3 grooves on E. and W. faces, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
Pits impracticable.
- Land, mountainous.
Soil, rocky, 3rd. rate.
Timber, young aspens.
Mountainous land and dense undergrowth on 79.59 chs.

September 26, 1903.

September 27: At 7 a.m., 1.m.t., I set off $40^{\circ}26'N$. on lat. arc; $1^{\circ}16'S$. on decl. arc; and determine a meridian with the solar, at the base line cor. of secs. 32 and 33, heretofore described, on the Uintah Special Base Line.

Thence I run

$11.0^{\circ}03'W$., bet. secs. 32 and 33.

Over rocky land, descend abruptly through dense artemisia, oak and service berry brush.

6.00 Enter heavy aspen timber, bears E. and W.

38.00 Leave timber, bears E. and W.

40.00 Set a trachyte stone, 18x8x7 ins., 12 ins. in the ground, for

SUBDIVISIONS OF T.1 N., R.6 W.,

CHAINS

$\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.

47.00 Enter scattering aspen timber.

69.75 Bottom of canon, 400 ft. deep, course E.

Begin abrupt ascent.

Leave timber.

80.00 Set a trachyte stone, 20x8x6 ins., 15 ins. in the ground, for
cor. of secs. 28-29-32 and 33, marked with 1 notch on S. and
4 notches on E.edges, and raise a mound of stone, 2 ft.
base, $1\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.

Land, mountainous,

Soil, rocky, 3rd. rate.

Timber, aspen.

Mountainous land and dense undergrowth or heavily
timbered on 80.00 chs.

East, on a random line, bet. secs. 28 and 33.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.06 Intersect N. and S.line, 5 lks. S.of the cor. of secs.

27-28-33 and 34.

Thence I run

S.89°58'W., on a true line,

Bet. secs. 28 and 33.

Over rocky land, ascend abruptly through dense artemisia,
oak and service berry brush.

24.50 Top of ridge, bears N.W. and S.E.

Begin abrupt descent.

39.00 Bottom of ravine, 200 ft. deep, course S.

Ascend along steep south slope..

40.03 Set a trachyte stone, 15x10x8 ins., 10 ins. in the ground, for
 $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS	Fits impracticable.
48.50	Top of spur, projects S.
	Descent.
61.00	Bottom of hollow, 100 ft. deep, course S.
	Ascend.
80.06	The cor. of secs. 38-29-32 and 35. This cor. is set 800 ft. above the cor. of secs. 37-28-33 and 34.
	Land, mountainous.
	Soil, rocky 3rd. rate.
	No timber.
	Mountainous land and dense undergrowth on 80.06 chs.
	September 27: At this cor. I set off 1°23' S. on decl. arc; and at 11h.51m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 40°37' N.
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	N.0°02' W., bet. secs. 38 and 29.
	Over rocky land, ascend abruptly through dense artemisia, oak and service berry brush.
9.25	Top of ridge, bears E. and W.
	Begin abrupt descent.
12.00	Enter heavy aspen and pine timber, bears N.E. and S.W.
37.50	Spring branch, 2 lks. wide, in bottom of canon, 500 ft. deep, course E.
	Begin abrupt ascent.
39.75	Leave timber, bears E. and W.
40.00	Set a trachyte stone, 24x12x6 ins., 18 ins. in the ground, for sec. cor., marked $\frac{1}{2}$ on W. face, from which An aspen, 4 ins. diam., bears S.10°W., 1.06 chs. dist., marked $\frac{1}{2}$ S 29 B T.
	An aspen, 3 ins. diam., bears S.20°E., .87 lks. dist., marked $\frac{1}{2}$ S 28 B T.
57.00	Enter scattering cedar and pinon timber.
80.00	Set a limestone, 20x18x4 ins., 15 ins. in the ground, for,

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

- cor. of secs. 20-21-28 and 29, marked with 2 notches on S. and 4 notches on E. edges, from which
 - A pinon, 10 ins. diam., bears N. 42° E., 1.63 chs. dist., marked T 1 N R 6 W S 21 B T.
 - A pinon, 12 ins. diam., bears S. 61° E., 55 lks. dist., marked T 1 N R 6 W S 28 B T.
 - A pinon, 10 ins. diam., bears S. 77° W., 70 lks. dist., marked T 1 N R 6 W S 29 B T.
 - A pinon, 8 ins. diam., bears N. 48° W., 1.01 chs. dist., marked T 1 N R 6 W S 20 B T.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, aspen and pine.

Mountainous land and dense undergrowth or heavily timbered on 80.00 chs.

N. 89° 58' E., on a random line, bet. secs. 21 and 28.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect N. and S. line, 9 lks. N. of the cor. of secs. 21-22-27 and 28.

Thence I run

N. 89° 58' W., on a true line,
Bet. secs. 21 and 28.

Over bottom land, in Rock Creek Canon, ascend gradually through dense artemisia.

18.50 Begin abrupt ascent, bears N.W. and S.E.

Leave bottom of canon.

Begin abrupt ascent over rocky land.

Enter heavy aspen timber, bears N. and S..

24.50 Leave aspen timber, bearing N. and S.

Enter scattering cedar and pinon timber.

39.94 Set a limestone, 18x8x8 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pinon, 16 ins. diam., bears N. 19° W., 20 lks. dist.,

SUBDIVISIONS OF T. 1 N., R. 6 W.

chains.	marked $\frac{1}{4}$ S 31 B T. A pinon, 15 ins. diam., bears S. 48° W., 26 lks. dist., marked $\frac{1}{4}$ S 28 B T.
79.88	The cor. of secs. 20-21-28 and 29. This cor. stands 900 ft. above cor. of secs. 21-22-27 and 28. Land, mountainous and bottoms. Soil, bottom land on 18.50 chs., 2nd. rate. balance, rocky, 3rd. rate. Timber, aspen, pinon and cedar. Mountainous land, heavily timbered or dense undergrowth on 79.88 chs.
	September 27, 1903.
	September 28: At 7 a.m., l.m.t., I set off $40^{\circ}28'N.$ on lat. arc; $1^{\circ}39'S.$ on decl. arc; and determine a meridian with the solar, at the cor. of secs. 20-21-28 and 29. Thence I run. $11.0^{\circ}02'W.$, bet. secs. 20 and 21. Over rocky land, ascend abruptly through artemisia, oak, and scattering cedar and pinon timber.
31.00	Top of ridge, bears S.W. and N.E. Enter heavy aspen and pine timber, bears N.E. and S.W. Begin abrupt descent.
35.50	Bottom of hollow, 300 ft. below ridge, course N.W. Leave timber, bears N.W. and S.E. Ascend.
40.00	Set a trachyte stone, 16x12x5 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
42.50	Top of spur, projects N.W. Begin abrupt descent. Enter scattering aspen and pine timber.
59.60	Bottom of canon, 600 ft. deep, course N.E. Begin abrupt ascent.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

- 65.00 Top of spur, projects E.
Begin abrupt descent.
68.50 Bottom of canon, 600 ft. deep, course S.E.
Begin abrupt ascent.
74.00 Top of spur, projects S.E.
Leave timber.
Descend.
80.00 Head of hollow, course S.E.
Set a trachyte stone, 18x12x8 ins., 12 ins. in the ground,
for cor. of secs. 16-17-20 and 21, marked with 3 notches on
S. and 4 notches on E. edges, and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Pits impractical.
Land, mountainous.
Soil, rocky, 3rd. rate.
Timber, cedar, pinon, aspen and pine.
Mountainous land, dense undergrowth or heavily
timbered on 80.00 chs.

S. $89^{\circ}58' E.$, on a random line, bet. secs. 16 and 21.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.92 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
15-16-21 and 22.
Thence I run
N. $89^{\circ}55' W.$, on a true line,
Bet. secs. 16 and 21.
Over bottom land, in bottom of Rock Creek Canon, ascend
gradually through dense willow brush.
5.25 Leave willow brush, bears N.W. and S.E.
Enter dense artemisia.
16.75 Canon road, bears N.W. and S.E.
21.00 Enter dense service berry and birch brush, and scattering
cottonwood timber, bears N.E. and S.W.
30.00 Leave cottonwoods and birch brush, bears N.E. and S.W.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

- 39.96 Set a trachyte stone, 18x9x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
Pits impracticable.
- 43.00 Begin abrupt ascent, bears N. and S.
Leave bottom of canon.
Begin abrupt ascent, over rocky land.
- 77.50 Top of spur, 500 ft. above $\frac{1}{4}$ sec.cor., projects S..
Descend.
- 79.92 Head of hollow, course S.E.
The cor.of secs.20-21-16 and 17.
Land, mountainous, and bottom land.
Soil, rocky, 3rd.rate.on 3G.92 chs.
balance, bottom land, 2nd.rate.
Timber, cottonwood.
Mountainous land or dense undergrowth on 79.92 chs.
September 28: At this cor.I set off $1^{\circ}46' S.$ on decl.arc;
and at 11h.51m., a.m., l.m.t., observe the sun on the
meridian, the resulting lat.is $40^{\circ}39' N.$

N. $0^{\circ}02' W.$, bet.secs.16 and 17.

- Over rocky land, ascend abruptly through dense artemisia,
oak and service berry brush.
- 80.50 Top of ridge, bears N.W. and S.E.
Begin abrupt descent.
- 40.00 Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
Pits impracticable.
- 58.80 Spring branch, 1 lk.wide, in bottom of hollow, 500 ft.
below ridge, course E.
Ascend.
- 60.00 Top of spur, projects E..
Begin abrupt descent.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

80.00 Set a trachyte stone, 18x12x8 ins., 12 ins. in the ground, for cor. of secs. 8-9-16 and 17, marked with 4 notches on S. and E. edges, from which

An aspen, 6 ins. diam., bears N.6°E., 1.55 chs' dist., marked T 1 N R 6 W S 9 B T.

A pine, 30 ins. diam., bears N.25°W., 1.14 chs. dist., marked T 1 N R 6 W S 8 B T.

No other trees within limits, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky. 3rd. rate.

No timber.

Mountainous land and dense undergrowth on 80.00 chs.

S.89°55'E., on a random line, bet. secs. 9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 9-10-15 and 16.

Thence I run

N.89°54'W., on a true line,

Bet. secs. 9 and 16.

Over rocky land, descend abruptly through dense artemisia, oak and service berry brush.

29.50 Foot of abrupt descent, bears N.W. and S.E.
Enter bottom of Rock Creek Canon.

36.25 Spring branch, 3 lks. wide, course S.W.

40.02 Set a trachyte stone, 15x12x5 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Pits impracticable.

60.50 Enter dense willow brush, bears N.W. and S.E.

62.00 Rock Creek, 75 lks. wide, in bottom of canon, 1500 ft. deep,

SUBDIVISIONS OF T. 1N., R. 6 W.

CHAINS	course S.E.
	Begin gradual ascent.
68.00	Leave bottom of canon, bears N.W. and S.E.
	Leave willow brush.
	Begin abrupt ascent.
71.00	Canon road, bears N.W. and S.E.
80.04	The cor. of secs. 8-9-16 and 17.
	Land, mountainous and bottoms.
	Soil, rocky 3rd. rate on 41.50 chs.
	balance, bottom land, 2nd. rate.
	No timber.
	Mountainous land and dense undergrowth on 80.04 chs.

September 28, 1903.

September 29: At 7 a.m., l.m.t., I set off $40^{\circ}30'N.$ on lat. arc; $2^{\circ} 02'S.$ on decl. arc; and determine a meridian at the cor. of secs. 8-9-16 and 17.

Thence I run

$11.0^{\circ} 02'W.$, bet. secs. 8 and 9.

Over rocky land, descend through dense artemisia.

0.90	Spring branch, 2 lks. wide, course N.E.
	Enter heavy aspen and pine timber, bears E. and W.
10.00	Spring branch, 2 lks. wide, in mouth of canon,
	course E.
	Ascend.
	Leave timber, bears E. and W.
21.00	Top of spur, projects S.E.
	Begin abrupt descent.
31.00	Rock Creek, 100 lks. wide, in bottom of canon, 1500 ft. deep,
	course S.E.
	Over level land, in bottom of canon.
40.00	Set a trachyte stone, 15x10x6 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Pits impracticable.

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SUBDIVISIONS OF T.1.N., R.6 W.

CHAINS

- 41.00 Rock Creek, 125 lks. wide, course S.W.
 49.50 Rock Creek, 140 lks. wide, course S.E.
 59.00 Enter dense willow brush, bears E. and W.
 7.50 Rock Creek, 75 lks. wide, course S.W.
 80.00 Set a trachyte stone, 15x12x8 ins., 10 ins. in the ground, for cor. of secs. 4-5-8 and 9, marked with 5 notches on S. and 4 notches on E. edges, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.
 Land, broken and bottoms.
 Soil, rocky 3rd. rate on 31.00 chs.
 balance bottom land 2nd. rate.
 Dense undergrowth on 80.00 chs.
-

S. 89° 54' E., on a random line, bet. secs. 4 and 9.

- 40.00 Set temp. $\frac{1}{2}$ sec. cor.
 80.12 Intersect N. and S. line, 7 lks. S. of the cor. of secs, 3-4-9 and 10.

Thence I run

N. 89° 57' W., on a true line,

Bet. secs. 4 and 9.

Over rocky land, ascend abruptly through dense artemisia, oak and service berry brush.

- 9.00 Top of ridge, bears N.W. and S.E.
 Descend.
 22.00 Bottom of hollow, 100 ft. deep, course S.
 Ascend.
 28.00 Top of rocky spur, projects S. Descend.
 30.60 Begin abrupt descent; bears N. and S.
 Enter heavy cedar and pinon timber, bears N. and S.
 36.50 Bottom of hollow, 200 ft. below spur, course S.W.
 Ascend.
 38.75 Top of spur, projects S.W.
 Begin abrupt descent.

the first time I have seen it. It is a very large tree, and the trunk is
about 18 inches in diameter at the base. The bark is smooth and
light brown. The leaves are compound and pinnate, with 10-12 pairs
of leaflets. The flowers are small and white, and the fruit is a
small, round, yellowish-orange seed pod. The tree is found in
openings in the forest and along stream banks. It is a
common species in the area.

(43)

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

Leave bottom of canon, bears N.W. and S.E.

Begin abrupt ascent over steep, rocky west slope, through dense artemisia, oak and service berry brush.

40.00 Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

54.50 Enter heavy cedar, pinon and pine timber, bears N.W. and S.E.

79.74 Intersect N.bdy. of Tp., 6.61 chs. N, $89^{\circ}55'W$. from the cor. of secs. 4-5-32 and 33, heretofore described.

Set a sandstone, 24x9x6 ins., 18 ins. in the ground, for closing cor. of secs. 4 and 5, marked C C on S. with 4 grooves on E. and 2 grooves on W. faces, from which

A pine, 10 ins. diam., bears S. $15^{\circ}E.$, 55 lks. dist., marked T 1 N R 6 W S 4 B T.

A pine, 12 ins. diam., bears S. $39^{\circ}W.$, 74 lks. dist., marked T 1 N R 6 W S 5 B T.

I destroy all marks on the cor. of secs. 4-5-32 and 33, that pertain to T 1 N R 6 W.

Land, level on 16.00 chs.

balance mountainous.

Soil, bottom land on 16.00 chs., 2nd. rate.

balance, rocky 3rd. rate.

Timber, cedar, pinon and pine.

Mountainous, heavily timbered or dense undergrowth on 79.7 chs. September 29, 1903.

September 30: At 7 a.m., 1.m.t., I set off $40^{\circ}26'N.$ on lat. arc; $2^{\circ}25'S.$ on decl. arc; and determine a meridian with the solar, at the base line cor. of secs. 31 and 32, heretofore described, on the Uintah Special Base Line.

Thence I run

$N.0^{\circ} 04'W.$, bet. secs. 31 and 32.

Over rocky land, descend through dense artemisia and oak brush.

SUBDIVISIONS OF T. 1 N., R. 6 W.

CHAINS

- 3.50 Enter heavy aspen timber, bears N.E. and S.W.
- 40.00 Set a sandstone, 20x14x4 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, from which
 An aspen, 4 ins.diam., bears N.12°E., 9 lks.dist.,
 marked $\frac{1}{4}$ S 32 B T.
 An aspen, 8 ins.diam., bears N.51°W., 54 lks.dist.,
 marked $\frac{1}{4}$ S 31 B T.
- 44.75 Bottom of canon, 300 ft. deep, course E.
 Leave timber, bears E. and W.
 Begin abrupt ascent.
- 79.50 Top of ridge, bears E. and W.
 Begin abrupt descent.
 Enter heavy aspen and pine timber, bears E. and W.
- 80.00 Set a sandstone, 18x12x8 ins., 12 ins. in the ground, for cor.of secs.29-30-31 and 32, marked with 1 notch on S. and 5 notches on E.edges, from which
 An aspen, 3 ins.diam., bears N.30°E., 27 lks.dist.,
 marked T 1 N R 6 W S 29 B T.
 An aspen, 3 ins.diam., bears S.68°E., 24 lks.dist.,
 marked T 1 N R 6 W S 32 B T.
 An aspen, 3 ins.diam., bears S.67°W., 5 lks.dist., marked
 T 1 N R 6 W S 31 B T.
 An aspen, 3 ins.diam., bears N.11°W., 12 lks.dist.,
 marked T 1 N R 6 W S 30 B T.
- Land, mountainous.
 Soil, rocky, 3rd.rate.
 Timber, aspen and pine.
 Mountainous land and dense undergrowth or heavily timbered on 80.00 chs.
-
- East, on a random line, bet.secs.29 and 32.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.06 Intersect N. and S.line, 5 lks.N. of the cor.of secs.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

28-29-32 and 33.

Thence I run

N. $89^{\circ}58'W.$, on a true line,

Bet. sec. 29 and 32.

Over rocky land, ascend abruptly along steep south slope, through dense artemisia, oak and service berry brush.

40.03 Set a trachyte stone, 24x14x5 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

68.75 Top of ridge, bears N.E. and W.

Thence along top of ridge.

78.00 Leave ridge, bears S.W. and E.

Enter scattering aspen and pine timber.

Descend.

80.06 The cor. of secs. 29-30-31 and 32.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, aspen and pine.

Mountainous land and dense undergrowth on 80.06 chs.

September 30: At this cor. I set off $2^{\circ}35'S.$ on decl. arc; and at 11h.50m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}27'N.$

West, on a random line, bet. secs. 30 and 31.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect W.bdy. of Tp., 7 lks.S. of the cor. of secs. 25-30-31 and 32, heretofore described.

Thence I run

S. $89^{\circ}57'E.$, on a true line,

Bet. secs. 30 and 31.

Over rocky land, descend abruptly along steep, north slope, through heavy pine timber.

26.00 Enter fire killed timber and scattering live timber.

SUBDIVISIONS OF T.1 N., R.6T.

CHAINS

- 35.00 Bottom of hollow, 300 ft. below sec.cor., course N.
Begin abrupt ascent.
- 40.04 Set a trachyte stone, 14x10x10 ins., 9 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on N. face, from which
A pine, 8 ins. diam., bears N.73°E., 67 lks.dist.,
marked $\frac{1}{4}$ S 30 B T.
A pine, 6 ins. diam., bears S.69°E., 44 lks.dist.,
marked $\frac{1}{4}$ S 31 B T.
- 80.04 The cor.of secs.29-30-31 and 32.
Land, mountainous.
Soil, rocky, 3rd. rate.
Timber, aspen and pine.
Mountainous land and heavily timbered on 80.04 chs.

N.0°03'W., bet. secs.29 and 30.

Over rocky land, descend abruptly through heavy aspen and pine timber.

- 38.00 Bottom of canon, 500 ft. deep, course E.
Begin abrupt ascent.
- 40.00 Set a limestone, 16x13x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face, from which
An aspen, 4 ins. diam., bears N.38°E., 7 lks.dist.,
marked $\frac{1}{4}$ S 29 B T.
An aspen, 3 ins. diam., bears S.44°W., 8 lks.dist.,
marked $\frac{1}{4}$ S 30 B T.
- 49.00 Top of spur, projects S.E.
Descend.
- 56.00 Bottom of ravine, 150 ft. deep, course S.E.
Begin abrupt ascent.
- 72.00 Leave timber, bears E. and W.
Enter dense artemisia and oak brush.
- 80.00 Set a limestone, 18x10x4 ins., 12 ins. in the ground, for cor.of secs.19-20-29 and 30, marked with 2 notches on S. and 5 notches on E.edges, and raise a mound of stone, 2 ft.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, aspen and pine.

Mountainous land and dense undergrowth or heavily timbered on 80.00 chs.

S. $89^{\circ}58' E.$, on a random line, bet. secs. 20 and 29.

40.00 et. temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect N. and S. line, 14 lks. S. of the cor. of secs.

20-21-28 and 29.

Thence I run

S. $89^{\circ}56' W.$, on a true line,

Bet. secs. 20 and 29.

Over rocky land, ascend abruptly through dense artemisia, oak and service berry brush, along steep, south slope.

40.01 Set a limestone, 18x9x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

63.00 Top of spur, 350 ft. above sec. cor., projects S.E.

Begin abrupt descent.

75.50 Bottom of ravine, 150 ft. deep, course S.

Begin abrupt ascent.

80.02 The cor. of secs. 19-20-29 and 30.

Land, mountainous.

Soil, rocky, 3rd. rate.

No timber.

Mountainous land and dense undergrowth on 80.02 chs.

September 30:1903.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

- October 1: At 7 a.m., l.m.t., I set off $40^{\circ}38'W.$ on lat. arc; $2^{\circ}48'S.$ on decl. arc; and determine a true meridian with the solar, at the cor. of secs. 19-20-29 and 30.
 Thence I run
 $N.89^{\circ}57'W.$, on a random line, bet. secs. 19 and 30.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 79.98 Intersect W.bdy. of Tp., 14 lks.S. of the cor. of secs. 19-24-25 and 30, heretofore described.
 Thence I run
 $S.89^{\circ}51'E.$, on a true line,
 Bet. secs. 19 and 30.
 Over rocky land, ascend abruptly through heavy fire killed timber and scattering live pine timber.
- 59.98 Set a limestone, $20 \times 10 \times 4$ ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, from which
 A pine, 5 ins. diam., bears $S.88^{\circ}W.$, 40 lks.dist., marked $\frac{1}{4} S 30 B T$.
 A pine, 12 ins. diam., bears $N.12^{\circ}E.$, 17 lks.dist., marked $\frac{1}{4} S 19 B T$.
- 42.00 Top of ridge, bears N.E. and S.W.
 Leave fire killed timber, bears N.E. and S.W.
 Begin abrupt descent.
 Enter scattering pine and aspen timber, and dense artemisia and oak brush.
- 54.50 Leave timber.
- 79.98 The cor. of secs. 19-20-29 and 30.
 Land, mountainous.
 Soil, rocky, 3rd.rate.
 Timber, aspen and pine.
 Mountainous land and dense undergrowth on 79.98 chs.
-
- $N.0^{\circ} 03'W.$, bet. secs. 19 and 20.
 Over rocky land, ascend abruptly through dense artemisia and oak brush.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

- 10.50 Top of ridge, bears N.E. and S.W.
Enter heavy fire killed timber, bears N.E. and S.W.
Begin abrupt descent.
- 36.00 Bottom of canon, 500 ft. deep, course N.E.
Leave fire killed timber, enter live, heavy pine and
aspen timber, bears N.E. and S.W.
Ascend..
- 39.00 Top of spur, projects E.
Descend.
- 40.00 Set a trachyte stone, 18x10x4 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face, from which
An aspen, 4 ins. diam., bears N.62°E., 1.09 lks.dist.,
marked $\frac{1}{4}$ S 20 B T.
An aspen, 5 ins. diam., bears N.41°W., 27 lks.dist.,
marked $\frac{1}{4}$ S 19 B T.
- 43.00 Bottom of canon, 500 ft. deep, course S.E.
Begin abrupt ascent.
- 75.50 Top of ridge, bears E. and W.
Begin abrupt descent.
- 80.00 Set a trachyte stone, 18x12x6 ins., 12 ins. in the ground,
for cor.of secs.17-18-19 and 20, marked with 3 notches on
S. and 5 notches on N.edges, from which
A pine, 6 ins. diam., bears N.88°E., 15 lks.dist.,
marked T 1 N R. 6 W S 17 B T.
A pine, 7 ins. diam., bears S.60°E., 16 lks.dist.,
marked T 1 N R 6 W S 20 B T.
An aspen, 5 ins. diam., bears S.71°W., 16 lks.dist.,
marked T 1 N R. 6 W S 19 B T.
An aspen, 5 ins. diam., bears N.40°W., 12 lks.dist.,
marked T 1 N R 6 W S 18 B T.
Land, mountainous.
Soil, rocky, 3rd.rate.
Timber, aspen and pine.
Mountainous land and heavily timbered on 80.00 chs.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

October 1: At this cor. I set off $2^{\circ}56' S.$ on decl. arc; and at 11h.50m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}29' N.$

N. $89^{\circ}56' E.$, on a random line, bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.. .

80.06 Intersect N. and S. line, 14 lks. N. of the cor. of secs. 16-17-20 and 21.

Thence I run

N. $89^{\circ}58' W.$, on a true line,

Bet. secs. 17 and 20. . .

Over rocky land, ascend through dense artemisia and oak brush.

6.00 Top of ridge, bears N.W. and S.E..

Begin abrupt descent.

16.25 Enter heavy aspen and pine timber, bears N.W. and S.E. . .

19.30 Bottom of canon, 300 ft. deep, course S.E.

Ascend. . .

28.10 Spring branch, 3 lks. wide, course S.E.

Begin abrupt ascent, along steep, north slope. . .

35.00 Enter fire killed timber, bears N. and S. . .

40.03 Set a trachyte stone, 18x8x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked with $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable. . .

79.00 Leave fire killed timber, enter heavy live pine and aspen timber, bears N. and S. . .

80.06 The cor. of secs. 17-18-19 and 20.

Land, mountainous. . .

Soil, rocky, 3rd. rate. . .

Timber, aspen and pine. . .

Mountainous land and heavily timbered or dense undergrowth on 80.06 chs. . .

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

N. $89^{\circ}51'W.$, on a random line, bet. secs. 18 and 19.

40.00 Set temp. $\frac{1}{2}$ sec.cor.

79.86 Intersect W.bdy.of Tp., 7 lks.N. of the cor.of secs. 13-18-19 and 24, heretofore described.

Thence I run

S. $89^{\circ}54'E.$, on a true line,

Bet. secs. 18 and 19.

Over rocky land, ascend through heavy aspen and scattering pine timber.

27.00 Top of ridge, bears N.W. and S.E.

Descend along steep north slope.

39.86 Set a trachyte stone, 18x12x5 ins., 12 ins.in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on N.face, from which

An aspen, 6 ins.diam., bears N. $11^{\circ}W.$, 18 lks.dist.,

marked $\frac{1}{2}$ S 18 B T.

A pine, 5 ins.diam., bears S. $15^{\circ}E.$, 3 lks.dist.,

marked $\frac{1}{2}$ S 19 B T.

79.86 The cor.of secs. 17-18-19 and 20, 600 ft. below top of ridge Land, mountainous.

Soil, rocky, 3rd.rate.

Timber, aspen and pine.

Mountainous land and heavily timbered on 79.86 chs'

N. $0^{\circ}03'W.$, bet. secs. 17 and 18.

Over rocky land, descend abruptly through heavy aspen and pine timber.

11.75 Spring branch, 3 lks.wide, in bottom of canon, 500 ft.deep, course E.

Begin abrupt ascent.

40.00 Set a sandstone, 18x12x4 ins., 12 ins.in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face, from which

An aspen, 5 ins.diam., bears N. $51^{\circ}E.$, 75 lks.dist.,

marked $\frac{1}{2}$ S 17 B T.

An aspen, 10 ins.diam., bears S. $38^{\circ}W.$, 28 lks.dist.,

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS	marked $\frac{1}{4}$ S 18 B T.
51.50	Top of ridge, bears N.W. and S.E. Begin abrupt descent.
76.50	Bottom of hollow, 400 ft. below ridge, course N.E. Ascend.
80.00	Set a trachyte stone, 15x12x6 ins., 10 ins. in the ground, for cor. of secs. 7-8-17 and 18, marked with 4 notches on S. and 5 notches on E. edges, from which An aspen, 5 ins. diam., bears N.47°E., 18 lks. dist., marked T 1 N R 6 W S 8 B T. A pine, 15 ins. diam., bears S.28°E., 97 lks. dist., marked T 1 N R 6 W S 17 B T. A pine, 12 ins. diam., bears S.11°W., 73 lks. dist., marked T 1 N R 6 W S 18 B T. A pine, 15 ins. diam., bears N.88°W., 1.25 chs. dist., marked T 1 N R 6 W S 7 B T. Land, mountainous. Soil, rocky, 3rd. rate. Timber, aspen and pine. Mountainous land and heavily timbered on 80.00 chs.

October 1, 1903.

	October 2: At 7 a.m., l.m.t., I set off 40°30'N. on lat. arc; 3° 12'S. on decl. arc; and determine a meridian with the solar, at the cor. of secs. 7-8-17 and 18. Thence I run S.89°58'E., on a random line, bet. secs. 8 and 17. 40.00 Set temp. $\frac{1}{2}$ sec. cor. 80.12 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 8-9-16 and 17. Thence I run N.89° 57'W., on a true line, bet. secs. 8 and 17. Over rocky land; ascend through dense artemisia.
--	--

SUBDIVISIONS AT 7.0 Y., S.G. T.

CHAINS

- 3.00 Enter heavy aspen and pine timber, bears N.E. and S.W.
- 19.00 Leave timber, bears N.W. and S.E.
- 40.00 Set a trachyte stone, 16x12x6 ins., 10 ins. in the ground, for sec.cor., marked Δ on N. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- Pits impracticable.
- 42.00 Top of spur, 600 ft. above sec.cor., projects N.
- Descend.
- 47.00 Bottom of hollow, 100 ft. deep, course N.
- Begin abrupt ascent.
- 50.00 Enter heavy fire killed timber, bears N. and S.
- 72.00 Top of spur, projects N.
- Descend.
- 76.00 Bottom of hollow, 100 ft. deep, course N.E.
- Begin abrupt ascent.
- 80.12 The cor.of secs. 7-8-17 and 18.
- Land, mountainous.
- Soil, rocky, 3rd rate..
- Timber, aspen and pine.
- Mountainous land and dense undergrowth or heavily timbered on 80.12 chs.
-
- 8.8954' T., on a random line, bet. secs. 7 and 18.
- 40.00 Set temp. Δ sec.cor.
- 78.69 Intersect W.bdy. of Sp., 9 lks.N. of the cor. of sec. 7-12-18 and 18, herebefore described.
- Thence I run
- 8.8258' T., on a true line,
- Bet. secs. 7 and 18.
- Over rocky land, crossed abruptly through heavy fire killed pine timber.
- 87.00 Enter marshy land in head of hollow, bears N.E. and S.W.
- 99.00 Leave marshy land, bears N.S. and S.W.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS	Course of hollow, N.E.
	Ascend.
30.00	Top of ridge, bears N.E. and S.W.
	Descend.
39.69	Set a trachyte stone, 16x14x5 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor. Pits impracticable.
79.69	The cor.of secs.7-8-17 and 18,700 ft. below top of ridge. Land, mountainous. Soil, rocky, 3rd.rate. Timber, fire killed pine and aspen. Mountainous land and heavily timbered on 79.69 chs. October 2: At this cor.I set off 30.9' S.on decl.ard; and at 11h.50m., a.m., l.m.t., observe the sun on the meridian, the resulting lat.is $40^{\circ}30'N.$

N.0° 03'W., bet. secs.7 and 8.

9.00	Over rocky land, ascend abruptly through heavy fire killed timber.
18.00	Top of spur, projects E.
	Begin abrupt descent.
27.20	Bottom of ravine, 200 ft. deep, course E.
	Leave timber, bears E. and W.
	Begin abrupt ascent.
30.00	Enter dense artemisia and oak brush.
40.00	Top of ridge, bears E. and W.
	Begin abrupt descent.
30.00	Enter heavy aspen timber, bears E. and W.
40.00	Set a trachyte stone, 18x10x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, from which An aspen, 6 ins.diam., bears S.71°W., 12 lks.dist., marked $\frac{1}{4}$ S 7 B T.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

An aspen, 6 ins. diam., bears S. 7° E., 18 lks. dist., marked $\frac{1}{4}$ S 8 B.T.

46.30 Bottom of canon, 400 ft. deep, course E.

Leave timber, bears E. and W.

Begin abrupt ascent.

75.00 Top of ridge, bears E. and W.

Descend.

80.00 Set a limestone, 36x8x8 ins., 27 ins. in the ground, for cor of secs. 5-6-7 and .8, marked with 15 notches on E. and S. edges, from which

An aspen, 5. ins. diam., bears S. 83° W., 1.40 chs. dist., marked T 1 N R 6 W S 7 B.T.

An aspen, 5. ins. diam., bears N. 65° W., 1.20 chs. dist., marked T 1 N R 6 W S 6 B.T.

No other trees within limits, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, aspen and pine.

Mountainous land and heavily timbered or dense undergrowth on 80.00 chs.

October 2, 1903.

October 3: At 7 a.m., 1.m.t., I set off $40^{\circ}31'N.$ on lat. arc; $3^{\circ}35'S.$ on decl. arc; and determine a meridian with the solar, at the cor. of secs. 5-6-7 and .8.

Thence I run

S. $89^{\circ}57'E.$, on a random line, bet. secs. 5 and 8.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.08 Intersect N. and S. line, 7 lks. N. of the cor. of secs.

4-5-8 and 9.

Thence I run

N. $89^{\circ}54'W.$, on a true line,

SUBDIVISIONS OF T,1 N.,R.6 W.

CHAINS	Bet.secs.5 and 8.
	Over bottom land in Rock Creek Canon,ascend gradually through dense willow brush..
34.00	Leave willow brush,enter heavy aspen timber,bears N.and S.
36.50	Leave timber,bears N.and S. Leave bottom of canon,bears N.W.and S.E.
	Begin abrupt ascent through dense artemisia,oak and service berry brush,over rocky land..
40.04	Set a trachyte stone,18x12x5 ins.,12 ins.in the ground. for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face, and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,N.of.cor. Pits impracticable..
80.08	The cor.of secs.5-6-7 and 8,1000 ft.above Rock Creek Canon. Land,mountainous and bottoms. Soil,bottom land on 36.50 chs.,2nd.rate. balance,rocky,3rd.rate. Timber,aspen. Mountainous land and dense undergrowth.on 80.08 chs.
	N. $89^{\circ}58'W.$,on a random line,bet.secs.6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.53	Intersect W.bdy.of Tp.,5 lks.S.of the cor.of secs. 1-6-7 and 12,heretofore described.
	Thence I run S. $89^{\circ}56'E.$,on a true line, Bet.secs.6 and 7.
	Over rocky land,descend abruptly through heavy aspen and pine timber.
29.00	Bottom of hollow,300 ft.below sec.cor.,course S. Ascend.
53.00	Top of spur,projects S. Leave timber,bears N.and S. Descend. Enter dense artemisia,oak and service berry brush.

SUBDIVISIONS OF T.L N., R.6 W.

CHAINS

38.00. Bottom of hollow, 100 ft. deep, course S.

Ascend.

39.53 Set a trachyte stone, 18x10x4 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

46.00 Enter heavy aspen timber, bears N.W. and S.E.

62.00 Top of ridge, bears N.W. and S.E.

Begin abrupt descent.

78.50 Leave timber, bears N.E. and S.W.

79.53 The cor. of secs. 5-6-7 and 8.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, aspen and pine.

Mountainous land and dense undergrowth or heavily timbered on 79.53 chs.

October 3: At this cor. I set off 3°39' S. on decl. arc; and at 11h.49m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}31'N.$

Knowing the line bet. secs. 5 and 6 will not close within limits on the N.bdy. of the Tp.

I run

$N.0^{\circ} 03'W.$, on a true line,

Bet. secs. 5 and 6.

Over rocky land, descend through dense artemisia, oak and service berry brush.

3.00 Bottom of hollow, 100 ft. deep, course E.

Enter heavy aspen timber, bears N.E. and S.W.

Begin abrupt ascent.

21.00 Top of spur, projects N.E.

Begin abrupt descent.

Enter heavy pine timber, bears N.E. and S.W.

SUBDIVISIONS OF T.1 N., R.6 W.

CHAINS

- 36.75 Bottom of ravine, 600 ft. below top of spur, course N.E..
Leave timber, bears N.E. and S.W.
Begin abrupt ascent.
- 40.00 Set a sandstone, 18x10x8 ins., 12 ins, in the ground, for
 $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face, and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
Pits impracticable.
This cor.is set on top of a spur, projecting E.
Begin abrupt descent.
- 79.92 Intersect N.bdy.of Tp., 6.70 chs, 11.89°55'W. from the cor.
of secs.5-6-31 and 32; heretofore described.
Set a trachyte stone, 24x10x5 ins., 18 ins.in the ground,
for closing cor.of secs.5 and 6,marked C C on S.,with
5 grooves on E.and 1 groove on W.face, and raise a mound
of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S.of cor. Pits impracticable.
This cor.is set 1500 ft. below the cor.of secs.5-6-7 and 8.
I destroy all marks on the cor.of secs.5-6 31 and 32,
that pertain to T.1 N.,R.6 W.
Land, mountainous.
Soil, rocky, 3rd.rate.
Timber, aspen and pine.
Mountainous land and dense undergrowth or heavily
timbered on 79.92 chs.

October 3, 1903.

GENERAL DESCRIPTION

This township is situated on the south slope of the Uintah Mountains and is mountainous throughout, the surface being broken by many deep ravines and canons, all of which drain into Rock Creek Canon.

Rock Creek, in a canon of the same name, flows through the central portion of the township, it is a deep, wide and rapid stream of pure water, and the canon is broad and and the sides steep and rocky.

GENERAL DESCRIPTION OF T.1 N., R.6 W.

The soil, in this township, with the exception of the bottom of Rock Creek Canon, is rocky and generally covered with dense undergrowth and nutritious grasses, making this an excellent range.

The soil of the bottoms is a sandy loam, capable of producing crops with irrigation.

The township is watered by Rock Creek and by numerous springs along the bottom of the canon.

Heavy pine timber is found along the west boundary of the township, scattering pine and aspen groves in the northern portion and scattering cedar and pinon in the southern portion, while cottonwoods are found along Rock Creek.

There are no settlers in this township.

There are no indications of mineral found in this township.

Harvey D. Heist
U.S. DEPUTY SURVEYOR.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____

owing the respective capacities in which they acted:

, Chainman.

or final affidavits see book "N. J. I. & R. 2 W.", Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented the foregoing field notes as having been surveyed by him and under his direction; and that said survey is been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the rner monuments established, according to the instructions furnished by the United States Surveyor eneral for _____

, Chainman.

or final affidavits see book "N. J. I. & R. 2 W.", Chainman,

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

scribed and sworn to before me this _____
day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from United States Surveyor General for _____, bearing date of _____ day of _____, 190_____, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

For final affidavits see book "A. J. 1 or R. 2 W."

_____ of the _____ meridian, in the _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190 }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah April 19, 18

The foregoing field notes of the survey of _____, the Subdivisional lines of Township 1 North, Range 6 West of the Third Meridian, Utah,

executed by _____, *Barry D. West*, dated *July 20 - 1903*, having under his contract No. 266, dated *July 20 - 1903*, having critically examined, and the necessary corrections and explanations made, the said field notes, surveys they describe, are hereby approved.

Edward H. Alderson
United States Surveyor Gen

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor Ge

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4-670.

K.
BOOK A-304

FILED

JAN 12 1904

WJD

FIELD NOTES

OF THE SURVEY OF THE

*Subdivision of
Section 16, Township No. 1 North
Range No. 5 West*

*of the Elliott L. Special Land Meridian,
in the state of California.*

AS SURVEYED BY

*Henry H. French, United States Deputy Surveyor,
Under his Contract No. 266, dated July 20-1903, 189
Survey commenced September 1, 1903, 189
Survey completed October 11, 1903, 189*

6-101

*High - 178 ft
Retained line 201.40*

ECCY A-304

NAMES AND DUTIES OF ASSISTANTS.

Earl Koolay Chairman
William Walquist "
Anna Johnson Recordman
Harry Payne Axman
Joseph Erickson Librarian

For preliminary affidavits see book "J" J. I. S. R. b

BOOK A-304

INDEX DIAGRAM.

Township 1 N, Range 5 W

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Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

, Chainman

, Chainman

Subscribed and sworn to before me this _____
day of _____, 189 }



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey o

, Moundman

, Moundman

Subscribed and sworn to before me this _____
day of _____, 189 }



We, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given us, to the best of our skill and ability, in the survey o

, Axman

, Axman

Subscribed and sworn to before me this _____
day of _____, 189 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

, Flagman

Subscribed and sworn to before me this _____
day of _____, 189 }



SUBDIVISIONS OF T.1 N., R.5 W.

CHAINS

SURVEY commenced, October, 4, 1903, and executed with the instrument described in book "A", of this survey.

I know the instrument to be in adjustment from recent observations made, September 17 and 18, 1903, and recorded in book "J" of this survey.

All the subdivision lines of this township have been previously surveyed and established, with the exception of the lines bet. secs. 4 and 5, and 5 and 6; I therefore survey these lines as follows:

I begin at the cor. of secs. 4-5-8 and 9, which is a sandstone, 12x10x5 ins., above ground, marked as described by the surveyor general.

As the cor. stands in heavy aspen timber, I mark.

An aspen, 3 ins. diam., bears N. 34° E., 10 lks. dist., marked T 1 N R 5 W S 4 B T.

An aspen, 6 ins. diam., bears S. 49° E., 70 lks. dist., marked T 1 N R 5 W S 9 B T.

An aspen, 8 ins. diam., bears S. 27° W., 44 lks. dist., marked T 1 N R 5 W S 8 B T.

An aspen, 4 ins. diam., bears N. 37° W., 46 lks. dist., marked T 1 N R 5 W S 5 B T.

At 7 a.m., l.m.t., I set off 40° 31' N. on lat. arc; 3° 57' S. on the decl. arc; and determine a meridian with the solar.

Thence I run

N. 0° 03' W., on a random line, bet. secs. 4 and 5.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.48 Intersect N. bdy. of Tp., 16 lks. W. of the cor. of secs. 4 and 5, which is a sandstone 10x10x5 ins. above ground, marked as returned under Contract No. 372, by deputies Dick and Tiernan.

Thence I run

S. 0° 04' W., on a true line,

Bet. secs. 4 and 5.

Over rocky land, ascend through dead and fallen timber

SUBDIVISIONS OF T.1 N., R. 1 W.

CHAINS	
	and dense mountain laurel.
9.50	Top of ridge, bears N.W. and S.E. Descend. Enter heavy pine timber, bears N.W. and S.E.
14.00	Bottom of hollow, 100 ft. deep, course S.E. Ascend.
19.00	Top of ridge, bears N.W. and S.E. Descend.
28.00	Bottom of hollow, 100 ft. deep, course S.E. Ascend.
39.48	Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face, from which A pine, 15 ins. diam., bears S.12°E., 30 lks. dist., marked $\frac{1}{4}$ S 4 B T. A pine, 13 ins. diam., bears S.70°W., 18 lks. dist., marked $\frac{1}{4}$ S 5 B T.
41.00	Top of ridge, bears N.W. and S.E. Descend.
74.50	Leave pine timber, bears N.W. and S.E. Enter heavy aspen timber...
79.48	The cor. of secs. 4-5-8 and 9. Land, mountainous. Soil, rocky, 3rd. rate. Timber, aspen and pine. Mountainous land and dense undergrowth or heavily timbered on 79.48 chs. October 4: At this cor. I set off 4°06' S. on decl. arc; and at 11h.49m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 40°31' N.
	From the cor. of secs. 5-6-7 and 8, which is a sandstone, 13x4x4 ins. above ground, marked as described by the surveyor general. As there are trees within limits, 1 mark

SUBDIVISIONS OF T.1 N., R.5 W.

CHAINS

A pine, 5 ins. diam., bears S.82°E., 1.42 chs. dist.,
marked T 1 N R 5 W S 8 B T.

A pine, 15 ins. diam., bears S.2°W., 1.73 chs. dist.,
marked T 1 N R 5 W S 7 B T.

A pine, 12 ins. diam., bears N.77°W., 1.62 chs. dist.,
marked T 1 N R 5 W S 6 B T.

No other trees within limits, and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Thence I run

N.0°04'W. on a random line, bet. secs. 5 and 6.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.49 Intersect N.bdy. of Tp., 56 lks.W. of the cor. of
secs. 5 and 6, which is a sandstone, 12x10x5 ins. above ground,
marked and witnessed as returned under Contract No. 373,
by deputies Dick and Tiernan.

Thence I run

S.0° 20'W., on a true line,

Bet. secs. 5 and 6.

Over steep, rocky, east slope, ascend through dead and fall n
aspen and pine timber.

6.25 Enter heavy, live aspen and pine timber, bears N.E. and S.W.

31.00 Top of ridge, bears N.W. and S.E.

Begin abrupt descent.

39.49 Set a trachyte stone, 12x10x10 ins., 8 ins. in the ground, f r
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which

A pine, 5 ins. diam., bears N.82°E., 1.25 chs. dist.,
marked $\frac{1}{4}$ S 5 B T.

A pine, 5 ins. diam., bears S.7°W., 1.10 chs. dist.,
marked $\frac{1}{4}$ S 6 B T.

56.00 Bottom of ravine, 300 ft. deep, course S.E.

Begin abrupt ascent.

73.50 Top of spur, projects E.

Leave heavy timber, bears E. and W.

Enter scattering pine timber.

SUBDIVISIONS OF T.1 N., R.5 W.

CHAINS

Descend.
 79.49 The cor.of secs.5-6-7 and 8.
 Land,mountainous.
 Soil,rocky,3rd.rate.
 Timber,aspen and pine.
 Mountainous land and heavily timbered on 79.49 chs.

RETRACEMENTS OF SUBDIVISIONS OF T.1 N., R.5 W.

From the survey of the E.and W.bdy's.of sec.5,secs.4 and 6 will not close,I therefore make such retracement as are found necessary:

From the cor.of secs.5-6-7 and 8,heretofore described,
 I run
 N.89°54'W.,on a retracement line,bet.sec.6 and 7.

20.14 The 1/16 cor.,which is a sandstone,12x5x6 ins.above ground,marked as described by the surveyor general,bears S.,4 lks dist.

40.39 The $\frac{1}{4}$ sec.cor.,which is a sandstone,13x8x 6 ins.,above ground,marked as described by the surveyor general,bears S.,8 lks.dist.

60.37 The 1/16 cor.,which is a sandstone,10x6x5 ins.above ground,marked as described by the surveyor general,bears S.,12 lks.dist.

82.25 Intersect W.bdy.of Tp.,16 lks.N.of the cor.of secs.1-6-7 and 12,heretofore described.

The course of this line is therefore S.89°50'W.,and the dist.82.25 chs.

From the cor.of secs.3-4-9 and 10,which is a sandstone,10x4x4 ins.above ground,marked as described by the surveyor general,I run
 N.0°08'E.,on a retracement line,bet.sec.3 and 4.

RETRACEMENT OF THE SUBDIVISIONS OF T.1 N., R.5 W.

CHAINS

- 19.67 The 1/16 cor., which is a sandstone, 13x10x4 ins., above ground marked as described by the surveyor general, bears E., 16 lks. dist.
- 39.39 The $\frac{1}{4}$ sec.cor., which is a sandstone, 9x7x4 ins. above ground, marked as described by the surveyor general, bears E., 32 lks dist.
- 59.11 The 1/16 cor., which is a sandstone, 9x9x4 ins. above ground, marked as described by the surveyor general, bears E. 48 lk. dist.
- 79.15 Intersect N.bdy. of Tp., 64 lks. E. of the cor. of secs. 3 and 4, which is a sandstone, 25x16x15 ins. above ground, marked and witnessed as returned under Contract No. 373, by deputies Dick and Tiernan.
The course of this line is therefore S.0° 18' E. and the dist. 79.15 chs.

October 4, 1903.

GENERAL DESCRIPTION

The land in secs. 4-5-and 6 is, mountainous, steep, east slope, the soil is rocky and is generally covered with a heavy growth of aspen and pine timber.
There are no settlers or indications of mineral in these secs.

U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

, Chainman.

For final affidavits see book "Dr. D. I. Dr. R. 271c.", Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____ of the _____

meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

, Chainman.

For final affidavits see book "Dr. D. I. Dr. R. 271c.", Chainman.

, Moundman.

, Moundman.

, Axman.

, Axman.

, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 189_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For final affidavits see book of J. W. R. 2 W.

..... of the
meridian, in the of which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 189 }

████████
O SEAL O
████████

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, July 20, 1903
The foregoing field notes of the survey of _____, the Subdivisional lines of _____
County, North Range 5 West of the Third Standard Meridian, Utah.

executed by _____, Harvey W. Beest
under his contract No. 266, dated July 20, 1903, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General

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JAN 12 1904
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FIELD NOTES

OF THE ^{re} SURVEY OF THE

West Boundary
of
Township No. 1 North
Range No. 3 West

of the Uintah-Special Range Meridian,
in the state of Utah

AS SURVEYED BY

Harry D. Keist, United States Deputy Surveyor,
Under his Contract No. 266, dated July 20, 1903.
Survey commenced October 5, 1903
Survey completed October 7, 1903

6-161

High. 5.78.94'

NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley Chairman
William Wallace " "
Alma Johnson Treasurer
Harry Payne Axman
Joseph Erickson Flagman
For preliminary affidavits see book "S. J. I. R. by

6-161

Volume

#

R0304

BOOK A-304

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey o

....., Chainman

....., Chainman

Subscribed and sworn to before me this }
day of , 190 }
.....



WE, and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey o

....., Moundman

....., Moundman

Subscribed and sworn to before me this }
day of , 190 }
.....



WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given us, to the best of our skill and ability, in the survey o

....., Axman

....., Axman

Subscribed and sworn to before me this }
day of , 190 }
.....



I, , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman

Subscribed and sworn to before me this }
day of , 190 }
.....



(1)

RESURVEY OF THE W.bdy. of T.1 N., R.3 W.

Survey commenced October 5, 1903, and executed with the instrument described in book " A " of this survey.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris,

I proceed as follows:

At the base line, cor. of T.1 N., R.3 W., heretofore described in book " C " of this survey, in approximate latitude $40^{\circ} 26' 20''$ N., longitude $110^{\circ} 17' 57''$ W., I set off $40^{\circ} 26' N.$ on lat. arc; $4^{\circ} 32' S.$ on decl. arc; and at 4 p.m., l.m.t., determine a meridian with the solar and mark a point thereof on a stone, firmly set in the ground, 5.00 chs. N. of my station.

At 6 h. 36m., p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions and mark a point in the line thus determined, on a peg driven in the ground, 5.00 chs. N. of my station.

October 5, 1903.

October 6: At 6 a.m., I lay off the azimuth of Polaris, $1^{\circ} 35'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone set last evening, on which the meridian falls 0.5 ins. east of the mark determined by the solar.

At 7 a.m., l.m.t., I set off $40^{\circ} 26' N.$ on lat. arc; $4^{\circ} 44' S.$ on decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of my station: this mark falls 0.5 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, about $0' 26''$ west and east of the meridian established by the Polaris observations; therefor.

(2)

RESURVEY OF THE WEST BDY. OF T.1.N., R.3 W.

CHAINS I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7 a.m., is N. 16° 44' W., the angle thus determined, gives the mag. decl. 16° 44' E.

Preliminary to commencing the subdivisions of this township, I run, north on a retracement line bet. secs. 31 and 36: at 39.75 chs. intersect the $\frac{1}{4}$ sec. cor., and at 80.00 chs. no trace can be found of the cor. of secs. 25-30-31 and 36, I continue the line, and can find no trace of the line until at 339.45 chs. from the S.bdy., the cor. of secs. 13-18-19 and 24, bears E., 1.60 chs. dist.

The course of this line, counting from the $\frac{1}{2}$ sec. cor. bet. secs. 31 and 36, is N. 0° 28' E., and the proportionate distance for each mile is 79.88 chs.

North on a retracement line bet. secs. 13 and 18, at 39.78 chs., the $\frac{1}{2}$ sec. cor. bears E., 45 lks., and at 79.59 chs., intersect the cor. of secs. 7-12-13 and 18.

The course of this line is therefore respectively N. 0° 39' E., and N. 0° 39' W., the dist. respectively 39.78 chs. and 39.81 chs.

North on a retracement line, bet. secs. 7 and 12, at 39.70 chs., intersect the $\frac{1}{4}$ sec. cor., and at 79.30 chs., intersect the cor. of secs. 1-6-7 and 12.

North, on a retracement line, bet. secs. 1 and 6, at 39.95 chs., intersect the $\frac{1}{4}$ sec. cor., and at 79.90 chs., intersect the cor. of Tps., 1 and 2 N., R. 4 W., as described on the N. bdy. of this Tp., book "D", of this survey.

As many of the cors. on this line are missing, and the marks on the others are nearly obliterated, I resurvey the west bdy. of this township.

October 6, 1903.

RESURVEY OF THE WEST BDY.OF T.1 N.,R.3 W.

CHAINS

October 7: At 7 a.m., l.m.t., I set off $40^{\circ}26'N.$, on lat.arc; $5^{\circ}07'S.$ on decl.arc; and determine a meridian with the solar at the base line cor.of T. 1 N., R.4 W. heretofore described.

Thence I run

North, on a resurvey line,

Bet. secs. 31 and 36.

Over rocky land, ascend through heavy cedar and pinon timber.

1.80 Top of spur, projects W.

Descend.

5.00 bottom of hollow, 100 ft. deep, course W.

Begin abrupt ascent.

6.00 Intersect closing cor.of Tps.1 S. and 1N., R.3 W., heretofore described.

19.92 Intersect 1/16 cor., which is a sandstone, 10x7x6 ins. above ground, marked as described by the surveyor general.

37.00 Top of abrupt ascent, bears N.W. and S.E.

Begin gradual ascent.

39.75 Intersect $\frac{1}{2}$ sec.cor., which is a sandstone, 10x8x4 ins. above ground, marked as described by the surveyor general. As the cor.stands in heavy timber, I mark

A pinon, 10 ins. diam., bears $S.26^{\circ}E.$, 68 lks.dist.,

marked $\frac{1}{2} S \underline{31} B T.$

A pinon, 10 ins. diam., bears $S.24^{\circ}W.$, 30 lks.dist.,

marked $\frac{1}{2} S 36 B T.$

Thence I run, $N.0^{\circ}28'E.$

42.00 Leave timber, bears N.W. and S.E.

Enter dense artemisia.

51.00 Top of ridge, bears N.W. and S.E.

Descend over rolling land.

59.72 Set a sandstone, 12x8x6 ins., 8 ins.in the ground, for re-established 1/16 cor., marked 1/16 on W.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.

No trace can be found of the old 1/16 cor.

RESURVEY OF THE WEST BDY. OF T.1 N., R.3 W.

CHAINS

- 79.69 Set a trachyte stone, 18x12x8 ins., 12 ins. in the ground, for re-established cor. of secs. 25-30-31 and 36, marked with 1 notch on S. and 5 notches on N. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.
 No trace can be found of the old sec.cor.
 Land, mountainous and rolling.
 Soil, rocky, 3rd. rate.
 Timber, cedar and pinon.
 Mountainous land, dense undergrowth or heavily timbered on 79.69 chs.
-

- N. 0° 28' E., on a resurvey line, bet. secs. 25 and 30
 Over rocky land, descend through dense artemisia.
- 10.30 Head of hollow, course S.E.
 Ascend.
- 19.97 Set a sandstone, 12x8x8 ins. 8 ins. in the ground, for re-established 1/16 cor., marked 1/16 on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.
 No trace can be found of the old 1/16 cor.
- 59.94 Set a trachyte stone, 16x10x6 ins., 11 ins. in the ground, for re-established $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.
 No trace can be found of the old $\frac{1}{4}$ sec.cor.
- 43.50 Top of ridge, bears N.W. and S.E.
 Descend.
- 59.91 Set a trachyte stone, 12x8x8 ins., 8 ins. in the ground, for re-established 1/16 cor., marked 1/16 on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.
 No trace can be found of the old 1/16 cor.

RESURVEY OF THE WEST BDY.OF T.1 N., R.3 W.

CHAINES

- 79.88 Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground, for re-established cor. of secs. 19-24-25 and 30, marked with 2 notches on S. and 4 notches on N. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.
 No trace can be found of the old sec' cor,
 Land, rolling.
 Soil, rocky, 3rd. rate.
 No timber.
 Dense undergrowth on 79.88 chs.
-

N. 0°28'E., on a resurvey line,

Bet. secs. 19 and 24.

Over rocky land, descend through dense artemisia.

- 19.97 Set a trachyte stone, 12x8x8 ins., 8 ins. in the ground, for re-established 1/16 cor., marked 1/16 on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.

No trace can be found of the old 1/16 cor.

- 21.00 Head of hollow, course S.E.

Ascend.

- 39.94 Top of ridge, bears N.W. and S.E.
 Set a trachyte stone, 16x10x8 ins., 11 ins. in the ground, for re-established $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.

No trace can be found of the old $\frac{1}{4}$ sec.cor.

Descend.

- 59.91 Set a trachyte stone, 12x8x7 ins., 8 ins. in the ground, for re-established 1/16 cor., marked 1/16 on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Pits impracticable.

- 79.88 Intersect the cor. of secs. 13-18-19 and 24, which is a sandstone, 10x6x4 ins. above ground, marked as described by

RESURVEY OF THE WEST BDY. OF T.1 N., R.3 W.

CHAINS

the surveyor general.

I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, rolling.

Soil, rocky, 3rd. rate.

No timber.

Dense undergrowth on 79.88 chs.

October 7: At this cor. I set off $5^{\circ}15' S.$ on decl. arc; and at 11h.48m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}39' N.$

N. $0^{\circ}39' E.$, on a resurvey line,

Bet. secs. 13 and 18.

Over rocky and rolling land, ascend through dense artemisia.

19.92 Intersect the $1/16$ cor., which is a sandstone, $18 \times 12 \times 6$ ins. above ground, marked as described by the surveyor general.

39.78 Intersect the $\frac{1}{4}$ sec. cor., which is a sandstone, $15 \times 6 \times 5$ ins., above ground, marked as described by the surveyor general. Thence I run, N. $0^{\circ}39' W.$

59.62 Intersect $1/16$ cor., which is a sandstone, $10 \times 5 \times 5$ ins. above ground, marked as described by the surveyor general.

79.59 Intersect cor. of secs. 7-12-13 and 18, which is a sandstone, $12 \times 10 \times 7$ ins. above ground, marked as described by the surveyor general.

Land, rolling.

Soil, rocky, 3rd. rate.

No timber.

Dense undergrowth on 79.59 chs.

North, on a resurvey line, bet.

Secs. 7 and 12.

Over rocky and rolling land, ascend through dense artemisia.

RESURVEY OF THE WEST BDY. OF T.1 N., R.3 W.

CHAINS

- 19.85 Intersect 1/16 cor., which is a sandstone, 12x7x5 ins. above ground, marked as described by the surveyor general.
- 35.00 Top of spur, projects S.E.
- Descend.
- 39.70 Intersect $\frac{1}{2}$ sec.cor., which is a sandstone, 12x7x6 ins. above ground, with marks nearly obliterated; I mark $\frac{1}{4}$ on W.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
- Pits impracticable.
- 59.52 Intersect 1/16 cor., which is a sandstone, 12x8x8 ins. above ground, marked as described by the surveyor general.
- 67.00 Bottom of hollow, 100 ft. deep, course S.E.
- Ascend.
- 79.30 Intersect cor.of secs.1-6-7 and 12, which is a sandstone, 10x10x7 ins. above ground, with marks nearly obliterated; I mark 5 notches on S. and 1 notch on N.edge, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
- Pits impracticable.
- Land, rolling.
- Soil, rocky, 3rd.rate.
- No timber.
- Dense undergrowth on 79.30 chs.

North, on a resurvey line,

Bet.secs.1 and 6.

Over rocky land, ascend through dense artemisia.

- 19.98 Intersect 1/16 cor., which is a sandstone, 12x10x6 ins. above ground, marked as described by the surveyor general.
- 34.00 Top of ridge, 200 ft. above sec.cor., bears N.W. and S.E.
- Descend.
- 39.95 Intersect $\frac{1}{2}$ sec.cor., which is a sandstone, 13x9x6 ins. above ground, marked as described by the surveyor general; I raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
- Pits impracticable.

REFSURVEY OF THE WEST BDY. OF T.1 N., R.3 W.

CHAINS

- 58.50 Bottom of ravine, 150 ft. deep, course S.E.
Begin abrupt ascent.
59.91 Intersect 1/16 cor., which is a sandstone, 11x6x6 ins.
above ground, marked as described by the surveyor general.
79.90 The cor. of Tps. 1 and 2 N., R.4 W.,
heretofore described.
Land, mountainous.
Soil, rocky, 3rd. rate.
No timber.
Mountainous land and dense undergrowth on 79.90 chs.

October 7, 1903.

For general description, see subdivisions of

T.1 N., R.3 W.

Harvey M. J. F.

U.S. DEPUTY SURVEYOR.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES:

A list of the names of the individuals employed by

Harvey D. Heist

, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of

E. Day

of T. N. R. C. W. & E. Day of T. N. R. C. W.
the Uintah Special Base & Meridian in the state of

Earl Wooley

, Chainman.

William Halquist

, Chainman.

Alma Johnson

, Moundman.

Harry Payne

, Axman.

Joseph Erickson

, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

Harvey D. Heist

, United States Deputy Surveyor, in surveying all

those parts or portions of the

E. Day of T. N.

R. C. W. & E. Day of T. N. R. C. W.

of the *United*

Special Base and meridian, in the state of *Utah*, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for *Utah*.

Earl Wooley

, Chainman.

William Halquist

, Chainman.

Alma Johnson

, Moundman.

, Moundman.

Harry Payne

, Axman.

Joseph Erickson

, Flagman.

Subscribed and sworn to before me this 7
day of October, 1903. }

SEAL

Harvey D. Heist
U. S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Harvey D. Keist, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for Utah, bearing date of the 20 day of July, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

E. Line of T. 1 N R. 6 W.
W. End of T. 1 N R. 3 W.

Special Survey of the Clinton

in books 8 & 9 meridian, in the state of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Harvey D. Keist

United States Deputy Surveyor.

Subscribed by said Harvey D. Keist, and sworn to before me }
this 12th day of January, 1904 }

SEAL

Edward H. Anderson
U.S. Surveyor General

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah April 12, 1904

The foregoing field notes of the survey of West Boundary of Township
North Range 3 West of the Clinton Special Rule and
Meridian Utah

executed by Harvey D. Keist
under his contract No. 266, dated July 20 1903, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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FILED

JULY 19 1968

FIELD NOTES

CHICAGO, ILLINOIS, U.S.A.

FRIDAY, JULY 19, 1968 - 10:00 A.M. - 12:00 P.M.

90° - 0° - 10° - 20° - 30°

100° - 110° - 120° - 130° - 140° - 150° - 160° - 170° - 180°

Color of sun: Bright yellow.

100° 00'

80°

Temperature: 70° F.

80°

Humidity: 60% RH

80%

Wind: 0 mph

80

80° 00'

NAMES AND DUTIES OF ASSISTANTS.

Carl Gooley	Chairman
William Christian	"
Doris Johnson	Howardman
Helen Lowe	Perron
Frances Cushing	Pigman

For preliminary affidavits see book "J. J. & R. 671"

BOOK A-304

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____
day of _____, 1899 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 1899 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 1899 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 1899 }



SUBDIVISIONS OF T.1 N., R.3 W.

Survey commenced October 8, 1903, and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of secs. 35 and 36, heretofore described, on the Uintah Special Base Line; latitude $40^{\circ}26'20''$ N., longitude $110^{\circ}12'16''$ W.; I set off $40^{\circ}26'$ N. on the lat. arc; $5^{\circ}42'$ S. on the decl. arc; and, at 4h p.m., l.m.t., determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground, 5 chs.N. of the cor.

At 6h 34m p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs.N. of my station.

October 8, 1903.

October 9: At 6 a.m., I lay off the azimuth of Polaris, $1^{\circ}35'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone set last evening, on which the meridian falls 0.5 ins. east of the mark determined by the solar.

At 7 a.m., l.m.t., I set off $40^{\circ}26'$ S. on the lat. arc; $5^{\circ}53'$ N. on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs.N. of my station; this mark falls 0.5 ins. east of the meridian established by the Polaris observation. The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, about $0'26''$ west and east of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the

SUBDIVISIONS OF T.L N., R. 3 W.

Chains.

instrument are satisfactory.

The magnetic bearing of the true meridian at 7 a.m., is $N.16^{\circ}45'W.$; the angle thus determined gives the mag. decl. $16^{\circ}45'E.$

From the sec.cor., already described, I run
 $N.0^{\circ}01'W.$, bet. secs. 35 and 36.

Over rocky land descend through dense artemisia.

21.00 Bottom of hollow, 50 ft. deep, course S.W.

Ascend.

40.00 Set a trachyte stone, 18x12x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

57.00 Begin abrupt ascent, bears N.W. and S.E.

Enter heavy cedar and pinon timber, bears N.W. and S.E.

78.00 Top of ridge, 500 ft. above $\frac{1}{4}$ sec.cor., bears N.W. and S.E.
Descend.

80.00 Set a trachyte stone, 18x12x4 ins., 12 ins. in the ground, for cor.of secs. 25-26-35 and 36, marked with 1 notch on S. and E. edges, from which

A cedar, 12 ins. diam., bears $N.20^{\circ}E.$, 58 lks. dist., marked T 1 N R 3 W S 25 B T.

A cedar, 10 ins. diam., bears $S.54^{\circ}E.$, 31 lks. dist., marked T 1 N R 3 W S 36 B T.

A cedar, 10 ins. diam., bears $S.61^{\circ}W.$, 46 lks. dist., marked T 1 N R 3 W S 35 B T.

A cedar, 18 ins. diam., bears $N.48^{\circ}W.$, 45 lks. dist., marked T 1 N R 3 W S 26 B T.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Mountainous land and dense undergrowth or heavily timbered on 80100 chs.

SUBDIVISIONS OF T. 1 N., R. 3 W.

Chains

E.on a random line bet. secs. 25 and 36.

40.00 Set temp. $\frac{1}{4}$ sec.cor.80.10 Intersect E.bdy.of the Tp., 7 lks.S.of the cor.of secs.
25-30-31 and 36, heretofore described.

Thence I run

S.89°57'W.on a true line

Bet. secs. 25 and 36.

Over level land in bottom of broad hollow, through dense
artemisia.

2.00 Wash, 10 ft. wide, 10 ft. deep, course S.W.

Leave bottom of hollow.

Ascend.

27.00 Enter heavy cedar and pinon timber, bearing N.W. and S.E.

40.05 Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from whichA cedar, 18 ins. diam., bears N.57°E., 16 lks.dist.,
marked $\frac{1}{4}$ S 25 B.T.A pinon, 15 ins. diam., bears S.89°W., 50 lks.dist.,
marked $\frac{1}{4}$ S 36 B.T.

48.00 Top of ridge bears N.W. and S.E.

Descend.

60.50 Leave timber, bearing N.W. and S.E.

65.00 Bottom of hollow, 100 ft. deep, course S.

Ascend.

68.00 Enter heavy cedar and pinon timber, bearing N. and S.

73.50 Top of ridge bears N.W. and S.W.

Descend.

76.00 Head of hollow, course N.

80.10 The cor.of secs. 25-26-35 and 36.

Land, mountainous.

Soil rocky, third rate.

Timber, cedar and pinon.

Mountainous, and heavily timbered land or dense under
growth on 80.10 chs.

October 9: At this cor., I set off 6°01'S.on the decl.arc;

SUBDIVISIONS OF T. 1 N., R. 3 W.

Chains

and, at 11h 48m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $40^{\circ}27'N.$

N.0° 01'W. bet. secs. 25 and 26.

Over rocky land, descend through heavy cedar and pinon timber.

23.50 Leave timber, bearing N. and W.

Enter dense artemisia.

28.50 Bottom of hollow, 75 ft. deep, course W.

Ascend.

39.00 Enter heavy cedar timber, bearing N.W. and S.E.

40.00 Set a sandstone, 20x12x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A cedar, 4 ins. diam., bears N.30°E., 13 lks. dist., marked $\frac{1}{4}$ S 25 B T.

A cedar, 6 ins. diam., bears S.87°W., 15 lks. dist., marked $\frac{1}{4}$ S 26 B T.

44.00 Top of ridge bears N.W. and S.E. Descend.

Leave timber, bearing N.W. and S.E.

51.00 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

53.00 Enter heavy cedar timber, bearing N.W. and S.E.

63.60 Top of ridge bears N.W. and S.E.

Descend.

75.00 Leave timber, bearing N.W. and S.E.

80.00 Set a trachyte stone, 18x10x5 ins., 12 ins. in the ground, for cor. of secs. 23-24-25 and 26, marked with 2 notches on the S. and 1 notch on the E. edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

Pits impracticable.

Land rolling.

Soil stony, third rate.

Timber cedar and pinon.

Heavily timbered land or dense undergrowth on 80.00 chs.

SUBDIVISIONS OF T. 1 N., R. 3 W.

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N. $89^{\circ}57' E.$ on a random line bet. secs. 24 and 25.

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.12 Intersect E.bdy.of the Tp., 9 lks.S.of the cor.of secs. 19-24-25 and 30, heretofore described.

Thence I run

S. $89^{\circ}53' W.$ on a true line.

Bet. secs. 24 and 25.

Ascend through dense artemisia.

Enter heavy cedar and pinon timber, bearing N.W. and S.E.

- 40.06 Set a sandstone, 18x10x8 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from which
A cedar, 12 ins. diam., bears N. $39^{\circ} W.$, 25 lks.dist.,
marked $\frac{1}{4}$ S 24 B T.
A cedar, 7 ins. diam., bears S. $53^{\circ} W.$, 26 lks.dist.,
marked $\frac{1}{4}$ S 25 B T.

- 67.00 Leave timber, bearing N. and S.

- 80.12 The cor.of secs. 23-24-25. and 26.

Land, rolling.

Soil stony; third rate. Timber, cedar and pinon.

Heavily timbered land and dense undergrowth on 80.12 chs.

October 9, 1903.

October 10: At 7 a.m., 1.m.t., I set off $40^{\circ}28' N.$ on the lat. arc; $6^{\circ}15' S.$ on the decl.arc; and determine a meridian with the solar at the cor.of secs. 23-24-25 and 26.

Thence I run

N. $0^{\circ}01' W.$ bet. secs. 23 and 24.

Descend through dense artemisia.

- 40.00 Set a trachyte stone, 18x12x5 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high W.of cor.
Pits impracticable.
- 80.00 Set a trachyte stone, 20x10x10 ins., 15 ins. in the ground,
for cor.of secs. 13-14-23 and 24, marked with 3 notches on

SUBDIVISIONS OF T.1 N., R. 3 W.

CHAINS.

the S. and 1 notch on the E. edge; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Pits impracticable.

Land, rolling.

Soil, stony; third rate.

Timber none.

Dense undergrowth on 80.00 chs..

N. $89^{\circ}53' E.$ on a random line bet. secs. 13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect east bdy. of the Tp., 12 lks. N. of the cor. of secs. 13-18-19 and 24, heretofore described.

Thence I run

$S.89^{\circ}58' W.$ on a true line

Bet. secs. 13 and 24.

Descend through heavy cedar and pinon timber.

14.50 Leave timber, bearing N.W. and S.E.

Enter dense artemisia.

30.00 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

40.05 Set a trachyte stone, 18x8x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Pits impracticable.

80.10 The cor. of secs. 13-14-23 and 24.

Land, rolling.

Soil, stony; third rate.

Timber, cedar and pinon.

Heavily timbered land or dense undergrowth, on 80.10 dis.

October 10: At this cor., I set off $6^{\circ}24' S.$ on the decl.

arc; and, at 11h 47m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $40^{\circ}29' N.$

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAINS

N:0°01'W.bet.secs:13 and 14.

Over rocky land; descend through dense artemisia.

39.50 Enter bottom of broad hollow, 100 ft. deep, course S.E.

Enter scattering cotton-wood timber,

40.00 Set a trachyte stone, 16x10x6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from whichA cottonwood, 8 ins. diam., bears S.71°E., 29 lks.dist., marked $\frac{1}{4}$ S 13 B T.A cottonwood, 8 ins. diam., bears S.56°W., 27 lks.dist., marked $\frac{1}{4}$ S 14 B T.

43.50 Wash, 10 ft. wide, 10 ft. deep, course S.E.

46.00 Leave bottom of hollow, and cottonwood timber; course S.E.

80.00 Set a trachyte stone, 18x8x8 ins., 12 ins. in the ground, for cor.of secs.11-12-13 and 14, marked with 4 notches on the S. and 1 notch on the E.edge; and raise a mound of stone 3 ft. base, $1\frac{1}{2}$ ft. high W.of cor.

Pits impracticable.

Land, rolling.

Soil, stony; third rate.

Timber, cottonwood.

Dense undergrowth on 80.00 chs.

N.89°58'E. on a random line bet.secs.12 and 13.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.18 Intersect east bdy. of the Tp., 5 lks.S. of the cor.of secs. 7-12-13 and 18, heretofore described.

Thence I run

S.89°56'W.on a true line

Bet.secs.12 and 13.

Over rocky land, ascend abruptly through dense artemisia and oak brush.

30.00 Top of ridge bears N.W. and S.E.

Begin abrupt descent.

31.00 Enter scattering cedar and pinon timber,

SUBDIVISIONS OF T. 1 N., R. 3 W.

- CHAINS
- 40.09 Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from which
A cedar, 12 ins. diam., bears N. 14° W., 91 lks.dist., marked $\frac{1}{2}$ S 12 B T.
A cedar, 5 ins. diam., bears S. 41° W., 54 lks.dist., marked $\frac{1}{4}$ S 13 B T.
- 52.00 Foot of abrupt descent, bearing N.W. and S.E.
Begin gradual descent.
Leave timber.
- 80.18 The cor.of secs.11-12-13 and 14.
Land, mountainous.
Soil, rocky; third rate.
Timber, cedar and pinon.
Mountainous land and dense undergrowth on 80.18 chs.

October 10, 1903.

October 11: At 7 a.m., l.m.t., I set off $40^{\circ}30'N.$ on the lat. arc; $6^{\circ}37'S.$ on the decl. arc; and determine a meridian with the solar at the cor.of secs.11-12-13 and 14.

Thence I run

N. $0^{\circ}01'W.$ bet. secs.11 and 12.

Ascend through dense artemisia.

- 40.00 Set a sandstone, 18x8x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on W.face; and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high W.of cor.
Pits impracticable.
- 77.00 Enter heavy cedar and pinon timber, bearing N.W. and S.E.
Begin abrupt ascent, bearing N.W. and S.E.
- 80.00 Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for cor.of secs.1-2-11 and 12, marked with 5 notches on the S.and 1 notch on the E.edge; from which
A cedar, 18 ins. diam., bears N. $25^{\circ}E.$, 6 lks.dist.,

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAINS

marked T 1 N R 3 W S 1 B T.

A cedar, 6 ins. diam., bears S. 56° E., 37 lks. dist.,
marked T 1 N R 3 W S 12 B T.

A cedar, 8 ins. diam.; bears S. 25° W., 34 lks. dist.,
marked T 1 N R 3 W S 11 B T.

A pinon, 6 ins. diam., bears N. 36° W., 94 lks. dist.,
marked T 1 N R 3 W S 2 B T.

Land mountainous.

Soil, rocky; third-rate.

Timber cedar and pinon.

Mountainous land, and heavily timbered or dense undergrowth
on 80.00 chs.

N. 89° 56' E. on a random line bet. secs. 1 and 12.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.08 Intersect east bdy. of the Tp., 5 lks. N. of the cor. of secs.
1-6-7 and 12, heretofore described.

Thence I run

S. 89° 58' W. on a true line

Bet. secs. 1 and 12.

Ascend through dense artemisia and oak brush.

8.00 Top of ridge bears N. and S. Descend.

19.00 Bottom of hollow, 100 ft. deep, course S.E.

Begin abrupt ascent.

40.04 Set a trachyte stone, 20x10x6 ins., 15 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Pits impracticable.

59.25 Top of ridge bears N.W. and S.E., 250 ft. above $\frac{1}{4}$ sec. cor.
Enter heavy cedar and pinon timber, bearing N.W. and S.E.
Begin abrupt descent.

80.02 he cor. of secs. I-2-11 and 12.

Land, mountainous.

Soil, rocky; third-rate.

Timber, cedar and pinon.

SUBDIVISIONS OF T. 1 N., R. 3 W.

Chains	Mountainous land and heavily timbered or dense undergrowth on 80.08 chs. October 11: At this cor., I set off $6^{\circ}44' S.$ on the decl. arc; and at 11h 47m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $40^{\circ}31' N.$
	N. $0^{\circ}01' W.$ on a random line bet. secs. 1 and 2.
40.00	Set temp. $\frac{1}{4}$ sec.cor.,
76.30	Intersect N. bdy. of the Tp., 7 lks. W. of the cor. of secs. 1-2-35 and 36, heretofore described. Thence I run
	S. $0^{\circ}02' W.$ on a true line Bet. secs. 1 and 2. Ascend along steep east slope through dense artemisia and oak brush.
36.30	Top of ridge bears N.W. and S.E. Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face; from which A cedar, 6 ins. diam., bears $N.30^{\circ} E.$, 19 lks. dist., marked $\frac{1}{4}$ S 1 B.T. A cedar, 8 ins. diam., bears $S.37^{\circ} W.$, 41 lks. dist., marked $\frac{1}{4}$ S 2 B.T. Descend.
38.00	Enter heavy cedar and pinon timber, bearing N.W. and S.E. Begin abrupt descent along steep west slope.
76.30	The cor. of secs. 1-2-11 and 12. Land, mountainous. Soil, rocky; third rate. Timber, cedar and pinon. Mountainous and heavily timbered land or dense undergrowth on 76.30 chs.

October 11, 1903.

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS

October 12: At 7 a.m., l.m.t., I set off $40^{\circ}26'N.$ on lat. arc; $7^{\circ}00'S.$ on decl. arc; and determine a meridian with the solar, at the base line cor. of secs 34 and 35, heretofore described on the Uintah Special Base Line.

Thence I run

$N.0^{\circ} 02'W.$, bet. secs. 34 and 35.

Ascend through dense artemisia.

6.00 Top of ridge, bears N.W. and S.E.

Descend.

27.00 Bottom of hollow, 50 ft. deep, course S.E.

Ascend.

Enter heavy cedar and pinon timber, bears E. and W.

29.00 Leave timber, bears E. and W.

40.00 Set a trachyte stone, $24 \times 10 \times 6$ ins., 18 ins. in the ground, for sec. cor., marked $\frac{1}{2}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

48.00 Enter heavy cedar and pinon timber, bears N.W. and S.E.

Begin abrupt ascent over rocky land, bears N.W. and S.E.

50.00 Set a trachyte stone, $20 \times 8 \times 8$ ins., 15 ins. in the ground for cor. of secs. 26-27-34 and 35, marked with 1 notch on S. and 2 notches on E. edges, from which

A cedar 8 ins. diam., bears $N.78^{\circ}E.$, 1.09 chs. dist., marked T 1 N R 3 W S 26 B T.

A pinon, 8 ins. diam., bears $S.67^{\circ}E.$, 2 lks. dist., marked T 1 N R 3 W S 35 B T.

A pinon, 6 ins. diam., bears $S.19^{\circ}W.$, 1.00 ch. dist., marked T 1 N R 3 W S 34 B T.

A cedar, 10 ins. diam., bears $N.47^{\circ}W.$, 24 lks. dist., marked T 1 N R 3 W S 27 B T.

This cor. is set 400 ft. above the base line cor. of secs. 34 and 35.

Land, rolling and mountainous.

Soil, sandy loam on 48.00 chs., 2nd. rate.

balance, rocky, 3rd. rate.

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS	Timber, cedar and pinon. Mountainous land, heavily timbered or dense undergrowth on 80.00 chs.
	East, on a random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.12	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 25-26- 35 and 36.
	Thence I run
	N. $89^{\circ}59'W.$, on a true line,
	Bet. secs. 26 and 35.
	Over rocky land, ascend through heavy cedar and pinon timber.
3.50	Top of ridge, bears N.W. and S.E.
	Begin abrupt descent.
17.00	Leave timber, bears N.W. and S.E.
	Enter dense artemisia.
35.00	Bottom of hollow, 200 ft. below ridge, course S.E.
	Ascend.
39.00	Enter heavy cedar and pinon timber, bears N. and S.
40.06	Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face, from which
	A cedar, 10 ins. diam., bears N. $51^{\circ}W.$, 10 lks. dist., marked $\frac{1}{4}$ S 26 B T.
	A cedar, 5 ins. diam., bears S. $38^{\circ}E.$, 53 lks. dist., marked $\frac{1}{4}$ S 35 B T.
60.00	Top of spur, projects S.
	Descend.
66.50	Bottom of hollow, 100 ft. deep, course S.E.
	Begin abrupt ascent.
79.00	Top of spur, projects S.E.
	Descend.
80.12	The cor. of secs. 26-27-34 and 35.
	Land, mountainous.
	Soil, rocky, 3rd. rate.

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS

Timber, cedar and pinon.

Mountainous land, dense undergrowth or heavily timbered on 80.12 chs.

October 12: At this cor. I set off $7^{\circ}09' S.$ on decl. arc; and at 11h.47m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}57' N.$

$N.0^{\circ} 02' W.$, bet. secs. 26 and 27.

Over rocky land, ascend abruptly through heavy cedar and pinon timber.

4.00 Top of ridge, bears N.W. and S.E.

Descend.

8.00 Head of hollow, course S.E.

Ascend.

33.00 Top of ridge, bears E. and W.

Descend.

40.00 Set a trachyte stone, 18x8x8 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on " face, from which

A cedar, 5 ins. diam., bears $S.57^{\circ} E.$, 62 lks. dist., marked $\frac{1}{2}$ S 26 B.T.

A cedar, 6 ins. diam., bears $N.22^{\circ} W.$, 1.96 chs. dist., marked $\frac{1}{2}$ S 27 B.T.

49.50 Bottom of hollow, 150 ft. deep, course E.

Begin abrupt ascent.

57.00 Top of spur projects E.

Begin abrupt descent.

60.00 Leave heavy timber, bearing N.W. and S.E.

Enter dense artemisia, oak brush and scattering cedar and pinon timber.

80.00 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for cor. of secs. 22-23-26 and 27, marked with 2 notches on the S. and E. edges; from which

A pinon, 4 ins. diam., bears $S.81^{\circ} W.$, 67 lks. dist.,

SUBDIVISIONS OF T.L N., R.3 W.

Chains

marked T 1 N R 3 W S 27 B T.

A pinon, 4 ins. diam., bears N.87°W., 70 lks. dist., marked T 1 N R 3 W S 22 B T.

No other trees within limits; and raise a mound of 2 ft. base, 1½ ft. high W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky; third rate.

Timber, cedar and pinon.

Mountainous land and dense undergrowth or heavily timbered on 80.00 chs.

S.89°59' E. on a random line bet. secs. 25 and 26.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.12 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 25-26-35 and 36.

Thence I run N.89°57' W. on a true line

Bet. secs. 23 and 26.

Over rocky land ascend through dense artemisia.

4.00 Enter scattering cedar and pinon timber.

20.00 Top of ridge bears N.W. and S.E.

Descend.

29.00 Leave timber.

33.00 Bottom of hollow, 100 ft. deep, course S.E.

40.06 Set a sandstone, 18x15x6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.

Pits impracticable.

55.00 Enter scattering cedar and pinon timber.

80.12 The cor. of secs. 22-23-26 and 27.

Land, mountainous.

Soil, rocky; third rate.

Timber, cedar and pinon.

Mountainous land and dense undergrowth on 80.12 chs.

SUBDIVISIONS OF T. 1 N., R. 3 W.

Chains

October 13: At 7 a.m., I set off $40^{\circ}28'N$. on the lat arc; $7^{\circ}22'S$. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 22-23-26 and 27.

Thence I run N. $0^{\circ}02'W$. bet. secs. 22 and 23.

Descend through dense artemisia and oak brush.

25.00 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

32.00 Enter scattering cedar and pinon timber.

40.00 Set a sandstone, $20 \times 8 \times 6$ ins., 15 fns. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which

A pinon, 4 ins. diam., bears S. $17^{\circ}E$, 87 lks. dist., marked $\frac{1}{4}$ S 23 B T.

A cedar, 15 ins. diam., bears S. $85^{\circ}W$., 96 lks. dist., marked $\frac{1}{4}$ S 22 B T.

60.00 Top of spur projects S.E.

Descend.

69.00 Leave timber.

71.50 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

80.00 Set a trachyte stone, $18 \times 10 \times 6$ ins., 12 ins. in the ground, for cor. of secs. 14-15-22 and 23, marked with 3 notches on the S. and 3 notches on the E. edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky; third rate.

Timber, cedar and pinon.

Mountainous land and dense undergrowth on 80.00 chs.

S. $89^{\circ}57'E$. on a random line bet. secs. 14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.16 Intersect N. and S. line, 12 lks. S. of the cor. of secs.

13-14-23 and 24.

Thence I run

SUBDIVISIONS OF T. 1 N., R. 3 W.

Chains.	S.89°58'W.on a true line Bet.secs.14 and 23. Over rocky land ascend through dense artemisia.
40.08	Set a trachyte stone,15x10x8 ins.,10 ins.in the ground, for $\frac{1}{2}$ sec.cor.,marked $\frac{1}{2}$ on N.face;and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high N.of cor. Pits impracticable.
46.00	Enter scattering cedar and pinon timber.
72.50	Top of ridge bears N.W.and S.E. Descend.
80.16	The cor.of secs.14-15-23.and 23. Land,rolling. Soil,rocky;third rate. Timber,cedar and pinon. Dense undergrowth on 20.16 chs. October 13th:At this cor.,I set off 7°32'S.on the decl. arc;and,at 11h 47m a.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is 40°27'N.
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	N.0°03'W.bet.secs.14 and 15.
	Ascend over rocky land.
5.25	Enter scattering cedar and pinon timber.
13.00	Top of ridge bears N.W.and S.E. Descend. Enter heavy cedar and pinon timber,bearing N.W.and S.E.
30.00	Leave timber,bearing N.W.and S.E. Enter dense artemisia.
40.00	Set a trachyte stone,18x10x7 ins.,12 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high W.of cor. Pits impracticable.
68.00	Bottom of hollow,100 ft.deep,course S.E.. Ascend..
74.50	Enter heavy cedar and pinon timber,bearing N.W.and S.E.

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAINS

80.00 Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground, for cor. of secs. 10+11=14 and 15, marked with 4 notches on the S. and 2 notches on the E. edge; from which

A pinon, 15 ins. diam., bears N. 10° E., 7 lks. dist., marked T 1 N R 3 W S 11 B T.

A pinon, 8 ins. diam., bears S. 66° E., 37 lks. dist., marked T 1 N R 3 W S 14 B T.

A pinon, 8 ins. diam., bears S. 46° W., 16 lks. dist., marked T 1 N R 3 W S 15 B T.

A pinon, 8 ins. diam., bears N. 51° W., 22 lks. dist., marked T 1 N R 3 W S 10 B T.

Land, mountainous.

Soil, rocky; third rate.

Timber, cedar and pinon.

Mountainous land, and heavily timbered or dense undergrowth on 80.00 chs.

N. 89° 58' E. on a random line bet. secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.08 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 11-12-13 and 14.

Thence I run

S. 89° 56' W. on a true line

Bet. secs. 11 and 14.

Descend over rolling land through dense artemisia.

6.00 Deserted cabin, 20x30 ft., bears N., 1.25 chs.

15.75 Bottom of hollow, 50 ft. deep, course S.E.

Ascend.

40.04 Set a trachyte stone, 34x10x5 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Pits impracticable.

65.00 Enter heavy cedar and pinon timber, bearing N.W. and S.E.

77.00 Top of spur projects S.E.

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAINS.

Descond.

80.08 The cor.of secs.10-11-14 and 15.

Land,mountainous,or rolling.

Soil,stony;third rate.

Timber,cedar and pinon.

Mountainous land on 20.00 chs.;heavily timbered land or dense undergrowth on 80.08 chs.

October 13,1903.

October 14:At 7 a.m.,l.m.t.,I set off $40^{\circ}30'W.$ on the 1st. arc; $7^{\circ}44'S.$ on the decl.arc;and determine a meridian with the solar at the cor.of secs.10-11-14 and 15.

Thence I run

N. $0^{\circ}02'W.$ bet.secs.10 and 11.

Ascend through heavy cedar and pinon timber.

6.00 Top of ridge bears N.W.and S.E.

Descend.

15.00 Leave timber,bearing N.W.and S.E. Enter level land.

Enter dense artemisia.

40.00 Set a trachyte stone,18x8x8 ins.,12 ins.in the ground, for $\frac{1}{2}$ sec.cor.,marked $\frac{1}{2}$ on W.face;and raise a mound of stone,3 ft.base, $1\frac{1}{2}$ ft.high W.of cor.

Pits impracticable.

59.00 Wash,3 ft.wide,3 ft.deep,course S.E. Cottonwood timber along the wash.

70.50 Wash,3 ft.wide,3 ft.deep,course S.E. Pinon timber along the wash.

80.00 Set a trachyte stone,18x10x8 ins.,12 ins.in the ground, for cor.of secs.2-3-10 and 11,marked with 5 notches on the S.and 3 notches on the E.edge;and raise a mound of stone,3 ft.base, $1\frac{1}{2}$ ft.high W.of cor.

Pits impracticable.

Land;bottom,or mountainous.

Soil,stony;third rate.

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAINS

Timber, cedar and pinon.

Heavily timbered land or dense undergrowth on 80.00 chs;
Mountainous land on 15.00 chs.

N. $89^{\circ}56' E.$ on a random line bet. secs. 3 and 11.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.96 Intersect N.ad S.line, 3 lks.S. of the cor.of secs. 1-2-11
and 12,

Thence I run

S. $89^{\circ}55' W.$ on a true line

Bet. secs. 3 and 11.

Descend over rocky land through heavy cedar and pinon
timber.

2.00 Leave timber, bearing N.W. and S.E.

Enter dense artemisia over level land.

39.98 Set a trachyte stone, 24x12x8 ins., 18 ins. in the ground,
for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on N.face; from which
A cottonwood, 4 ins.diam., bears N. $81^{\circ}W.$, 94 lks.dist.,
marked $\frac{1}{2}$ S 3 B.T.

A cottonwood, 5 ins.diam., bears S. $87^{\circ}W.$, 42 lks.dist.,
marked $\frac{1}{2}$ S 11 B.T.

41.00 Wash, 3 ft.wide, 3 ft.deep, coarse S.E. Cottonwood timber
along wash.

79.96 The cor.of secs. 2-3-10 and 11.

Land bottom.

Soil, stony; third rate.

Timber, cedar and pinon.

Heavily timbered land or dense undergrowth on 79.96 chs.

October 14: At this cor., I set off $7^{\circ}54'S.$ on the decl.
arc; and, at 11h 48m.a.m., 1.m.t., observe the sun on the
meridian; the resulting lat. is $40^{\circ}31'N.$

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAINS

- N.0°02'W.on a random line bet.secs.2 and 3.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 76.44 Intersect the N.bdy.of Tp.,12 lks.W.of the cor.of secs. 2-3-34 and 35,heretofore described.
 Thence I run
 S.0°03'W.on a true line
 Bet.secs2 and 3.
 Descend gradually through dense artemisia.
 6.00 Wash,10 ft.wide,3 ft.deep,coarse S.E.
 36.44 Set a trachyte stone,18x12x10 ins.,12 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{2}$ on W.face;and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.
 Pits impracticable.
 76.44 The cor.of secs.2-3-10 and 11.
 Land rolling.
 Soil,sandy loam;2nd rate.
 Timber,none..
 Dense undergrowth on 76.44 chs.

October 14:1903.

October 15:At .7.a.m.,l.m.t.,I.set off 40°26'N.on the lat.arc;8°07'S.on the decl.arc;and determine a meridian with the solar at the base line.cor.of secs.33 and 34, on the Uintah Special Base Line,heretofore described.
 Thence I run

N.0°02'W.bet.secs.33 and 34.

Over rocky land,descend through heavy cedar and pinon timber.

- 7.00 Leave timber,bearing N.W.and S.E. Enter dense artemisia.
 11.50 Bottom of hollow,100 ft.deep,coarse S.E.
 Ascend.
 23.00 Enter heavy cedar and pinon timber,bearing N.W.and S.E.
 40.00 On top of ridge bearing N.W.and S.E.
 Set a sandstone,18x10x8 ins.,12 ins.in the ground,for

SUBDIVISIONS OF T. 1 N., R. 3 W.

Chain .

11. $\frac{1}{2}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which
 A pinon, 24 ins. diam., bears S.32°E., 19 lks.dist.,
 marked $\frac{1}{4}$ S. 34 B T.
 A pinon, 18 ins. diam., bears N.3°W., 75 lks.dist.,
 marked $\frac{1}{4}$ S 33 B T.
- 74.50 Leave heavy cedar and pinon timber, bearing N.W. and S.E.
- 80.00 Set a sandstone, 20x10x8 ins., 15 ins. in the ground, for co.
 of secs. 27-28-33 and 34, marked with 1 notch on the S.
 and 3 notches on the E.edge; and raise a mound of stone
 2 ft. base, $1\frac{1}{2}$ ft. high W.of cor.
 It's impracticable.
 Land, mountainous.
 Soil, rocky, third rate.
 Timber, cedar and pinon.
 Mountainous land, and dense undergrowth or heavily timbered
 on 80.00 chs.
-

E.on a random line bet.secs.27 and 34.

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.06 Intersect N.and S.line, 7 lks.S.of the cor.of secs.
 26-27-34 and 35.
 Thence I run

S.89°57'W.on a true line

Bet.secs.27 and 34.

over rocky land descend abruptly through heavy cedar and
 pinon timber.

- 40.03 Set a trachyte stone, 18x15x6 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from which
 A cedar, 10 ins. diam., bears S.71°E., 35 lks.dist.,
 marked $\frac{1}{4}$ S 34 B T
 A cedar, 12 ins. diam., bears N.66°W., 6 lks.dist.,
 marked $\frac{1}{4}$ S 27 B T.
- 45.00 Foot of abrupt descent bears N.W. and S.E.
 Leave timber, bearing N.W. and S.E.
 Enter dense artemisia.

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAINS

- 70.25 Wash, 10 ft. wide, 10 ft. deep, in bottom of hollow, 300 ft. below sec.cor. Ascend.
- 80.06 The cor.of secs.27-28-33 and 34. Land, mountainous. Soil, rocky, third rate. Timber cedar and pinon. Mountainous land, and heavily timbered or dense undergrowth on 80.06 chs.
- October 15:At this cor., I set off $8^{\circ}17' S.$ on the decl. arc;and,at 11h 46m a.m.,l.m.t.,observe the sun on the meridian;the resulting lat.is $40^{\circ}27' N.$
-
- N. $0^{\circ}02' W.$ bet.secs.27 and 28. Descend through dense artemisia.
- 4.50 Wash, 10 ft .wide,10 ft .deep,in bottom.of hollow, course S.E. Ascend.
- 39.00 Enter heavy cedar and pinon timber,bearing N.W.and S.E. Foot of abrupt ascent bears N.W.and S.E..
- 40.00 Set a sandstone,20x10x6 ins.,15 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which A pinon,8 ins.diam.,bears N. $29^{\circ} E.$,58 lks.dist., marked $\frac{1}{4}$ S 27 B T. A cedar,8 ins.diam.,bears S. $72^{\circ} W.$,31 lks.dist., marked $\frac{1}{4}$ S 28 B T.
- 70.25 Top of ridge bears N.W.and S.E. Descend.
- Leave timber,bearing N.W.and S.E. Enter dense artemisia.
- 80.00 Set a trachyte stone,18x10x8 ins.,12 ins.in the ground, for cor.of secs.21-22-27 and 28,marked with 2 notches on the S.and 3 notches on the E.edge;and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high W.of cor. Pits impracticable.

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAIN

Land, mountainous.

Soil, rocky; third rate.

Timber, cedar and pinon.

Mountainous land and dense undergrowth or heavily timbered
land on 80.00 chs.

N. 89° 57' E., on a random line, bet. secs. 22 and 27.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.08 Intersect N. and S. line, 12 lks. N. of the cor. of secs.

22-23-26 and 27.

Thence I run

N. 89° 58' W., on a true line,

Bet. secs. 22 and 27.

Over rocky land, ascend along steep north slope, through
dense artemisia, oak and service berry brush.40.04 Set a trachyte stone, 18x12x8 ins., 12 ins. in the ground,
for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of
stone, 2 ft base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

80.08 The cor. of secs. 21-22-27 and 28.

This cor. is 400 ft. above the cor. of secs. 22-23-26 and 27.

Land, mountainous.

Soil, rocky, 3rd. rate.

No timber.

Mountainous land and dense undergrowth on 80.08 chs.

October 15, 1903.

October 16: At 8 am., l.m.t., I set off 40° 38' N. on lat. arc;
8° 34' S. on decl. arc; and determine a meridian with the solar,
at the cor. of secs. 21-22-27 and 28.

Thence I run

N. 0° 02' W., bet. secs. 21 and 22.

SUBDIVISIONS OF T. 1. N., R. 3 W.

CHAINS	Over rocky land descend through dense artemisia.
39.00	Enter scattering cedar timber.
40.00	Set a trachyte stone, 18x9x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which A cedar, 10 ins. diam., bears N. 13° E., 1.25 chs.dist., marked $\frac{1}{4}$ S 22 B.T. A cedar, 4 ins. diam., bears S. 10° W., 1.44 chs.dist., marked $\frac{1}{4}$ S 21 B.T.
69.00	Bottom of hollow, 100 ft. deep, course S.E. Ascend.
80.00	Set a trachyte stone, 20x10x8 ins., 15 ins. in the ground, for cor.of secs. 15-16-21 and 22, marked with 3 notches on the S. and E. edges; from which A cedar, 4 ins. diam., bears N. 67° E., 43 lks.dist., marked T 1 N., R 3 W S 15 B.T. A pinon, 4 ins. diam., bears S. 77° E., 1.23 chs.dist., marked T 1 N R 3 W S 22 B.T. A cedar, 4 ins. diam., bears S. 13° W., 94 lks.dist., marked T 1 N R 3 W S 21 B.T. A cedar, 4 ins. diam., bears N. 19° W., 53 lks.dist., marked T 1 N R 3 W S 16 B.T. Land, mountainous. Soil, rocky; third rate. Timber, cedar and pinon. Mountainous land and dense undergrowth on 80.00 chs.
40.00	S. $89^{\circ}58'$ E. on a random line bet. secs. 15 and 22. Set temp. $\frac{1}{4}$ sec.cor.
79.98	Intersect N. and S. line, 7 lks.N. of the cor.of secs. 14-15-22 and 23. Thence I run N. $89^{\circ}55'$ W. on a true line Bet. secs. 15 and 22.
8.00	Descend through dense artemisia. Bottom of hollow, 100 ft. deep, course S.E.

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAINS

- Ascend. Leave dense artemisia.
 Enter heavy cedar and pinon timber, bearing N.W. and S.E.
 23.00 Top of ridge bears N.W. and S.E.
 Descend.
 27.50 Leave timber, bearing N.W. and S.E.
 Enter dense artemisia.
 39.99 In bottom of hollow, 100 ft. deep, course S.E.
 Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of
 stone, 2 ft. base, $1\frac{1}{2}$ ft. high N.of cor.
 Pits impracticable.
 61.00 Enter scattering cedar and pinon timber,
 66.50 Top of ridge bears N.W. and S.E. Descend.
 79.98 The cor.of secs.15-16-21 and 23.
 Land, mountainous.
 Soil, rocky, third rate.
 Timber, cedar and pinon.
 Mountainous land and heavily timbered or dense under-
 growth on 79.98 chs.
 October 16: At this cor., I set off $8^{\circ}59' S.$ on the decl.
 arc; and, at 11h 46m, a.m., l.m.t., observe the sun on the
 meridian; the resulting lat. is $40^{\circ}29' N.$

N.0° 02' W. bet. secs.15 and 16.

- Ascend through dense artemisia and scattering cedar and
 pinon timber.
 11.00 Top of ridge bears N.W. and S.E.
 Descend.
 22.00 Bottom of hollow, 100 ft. deep, course S.E.
 Ascend.
 30.00 Enter heavy cedar and pinon timber, bearing N.W. and S.E.
 40.00 Set a sandstone, 24x8x6 ins., 18 ins. in the ground,
 for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which
 A cedar, 5 ins. diam., bears S.16° E., $77\frac{1}{2}$ lks. dist.,
 marked $\frac{1}{4}$ S. 15 B.T.

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAINS

- A cedar, 12 ins. diam., bears N. 22° W., 53 lks. dist., marked $\frac{1}{4}$ S. 16 B. T.
- 45.00 Leave timber, bearing N.W. and S.E.
- 56.00 Top of ridge bears N.W. and S. E.
- Begin abrupt descent.
- 72.25 Bottom of hollow, 100 ft. deep, course S.E.
- Ascend.
- 80.00 Set a trachyte stone, 16x8x5 ins., 11 ins. in the ground, for cor. of secs. 9-10-15 and 16, marked with 4 notches on the S. and 3 notches on the E. edge; from which
- A cedar, 6 ins. diam., bears N. 40° E., 60 lks. dist., marked T 1 N R 3 W S 10 B. T.
- A Pinon, 8 ins. diam., bears S. 59° E., 67 lks. dist., marked T 1 N R 3 W S 15 B. T.
- No other trees within limits; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- Pits impracticable.
- Land, mountainous.
- Soil, rocky; third rate.
- Timber, cedar and pinon.
- Mountainous land, and heavily timbered or dense undergrowth on 80.00 chs.
-
- S. 89° 55' E. on a random line bet. secs. 10 and 15.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.14 Intersect N. and S. line, 21 lks. S. of the cor. of secs. 10-11-14 and 15.
- Thence I run
- S. 89° 56' W. on a true line b
Bet. secs. 10 and 15.
- Over rocky land descend through heavy cedar and pinon timber.
- 6.50 Leave timber, bearing N.W. and S.E.
- Enter dense artemisia, and oak brush.
- 40.07 Set a trachyte stone, 18x15x6 ins., 12 ins. in the ground,

SUBDIVISIONS OF T. 1 N., R. 5 W.

CHAINS

for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N.of cor.

Pits impracticable.

52.25 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

76.75 Top of ridge bears N.W. and S.E.

Descend.

80.14 The cor.of secs.9-10-15 and 16.

Land, mountainous.

Soil, rocky; third rate.

Timber, cedar and pinon.

Mountainous land, and heavily timbered or dense under-growth on 80.14 chs.

October 16th, 1903.

October 17: At 8 a.m., 1.m.t., I set off $40^{\circ}30'N.$ on the lat. arc; $8^{\circ}56'S.$ on the decl.arc; and determine a meridian with the solar at the cor.of secs.9-10-15 and 16.

Thence I run

N. $0^{\circ} 02'W.$ bet. secs.9 and 10.

Ascend through dense artemisia and oak brush.

3.00 Top of ridge bears N.W. and S.E.

Descend.

12.00 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

40.00 Set a trachyte stone, 20x10x10 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W.of cor.

Pits impracticable.

80.00 Set a trachyte stone, 24x8x6 ins., 18 ins. in the ground, for cor.of secs.3-4-9 and 10, marked with 5 notches on the S. and 3 notches on the E.edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W.of cor.

Pits impracticable.

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAINS

- Land, mountainous.
- Soil, rocky; third rate.
- Timber, none.
- Mountainous land and dense undergrowth on 80.00 chs.
-
- N. $89^{\circ}56' E.$ on a random line bet. secs. 3 and 10.
- 40.00 Set temp. $\frac{1}{2}$ sec.cor.
- 80.08 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 3-3-10 and 11.
- Thence I run
- S. $89^{\circ}58' W.$ on a true line
- Bet. secs. 3 and 10.
- Over level land, through dense artemisia.
- 9.00 Wash, 3 ft. wide, 3 ft. deep, coarse S.E. Pinon timber along the wash.
- 17.00 Wash, 3 ft. wide, 3 ft. deep, coarse S.E. Cottonwood timber along the wash. Ascend.
- 40.04 Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
- 53.00 Top of ridge bears N.W. and S.E., 300 ft. above sec.cor. Descend.
- 80.08 The cor. of secs. 3-4-9 and 10.
- Land, mountainous.
- Soil, rocky; third rate.
- Timber cottonwood and pinon.
- Mountainous land and dense undergrowth on 80.08 chs.
- October 17: At this cor., I set off $9^{\circ}01' S.$ on the decl. arc; and, at 11h 46m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $40^{\circ}31' N.$
-
- N. $0^{\circ} 02' W.$ on a random line bet. secs. 3 and 4.
- 40.00 Set temp. $\frac{1}{2}$ sec.cor.
- 76.52 Intersect N.bdy. of the Tp., 5 lks. E. of the cor. of secs.

SUBDIVISIONS OF T. 1 N., R. 3 E.

CHAINS

3-4-33 and 34, heretofore described.

Thence I run

S.0°04'E.on a true line

Bet. secs. 3 and 4.

Over rocky land, descend through heavy pine timber.

16.00 Bottom of hollow, 50 ft. deep, course S.E.

Ascend.

22.00 Leave timber, bearing N.W. and S.E.

Enter dense artemisia and service berry brush.

36.58 Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face; and raise a mound of stone; 2 ft. base; $1\frac{1}{2}$ ft. high W.of cor.

Pits impracticable.

56.75 Top of ridge, bears N.W. and S.E.

76.58 The cor.of secs. 3-4-9 and 10.

Land, mountainous.

Soil, rocky; third rate.

Timber, pine.

Mountainous land, and heavily timbered or dense undergrowth on 76.58 chs.

October 17, 1903.

October 18: At 8 a.m., l.m.t., I set off $40^{\circ}26'N.$ on lat. arc; $9^{\circ}18'S.$ on decl. arc; and determine a meridian with the solar, at the base line cor.of secs. 32 and 33, heretofore described on the Uintah Special Base Line.

Thence I run

N.0° 03'W., bet. secs. 32 and 33.

Over rocky land, ascend through heavy cedar and pinon timber.

8.00 Top of ridge, bears N.W. and S.E.

ascend.

29.50 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

40.00 Top of ridge, bears N.W. and S.E.

SUBDIVISIONS OF T.L.N., R.3 W.

CHAINS

- Set a trachyte stone, 18x18x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, from which
- A pinon, 12 ins., diam., bears N.43°W., 17 lks.dist., marked $\frac{1}{4}$ S 33 B T.
- A cedar, 8 ins.diam., bears S.73°E., 3 lks.dist., marked $\frac{1}{4}$ S 33 B T.
- Bottom of hollow, 75 ft.deep, course S.E.
- Ascend.
- Set a trachyte stone, 18x18x6 ins., 12 ins.in the ground, for cor.of secs.28-29-32 and 33, marked with 1 notch on S.and 4 notches on E.edges, from which
- A cedar, 15 ins.diam., bears N.44°E., 65 lks.dist., marked T 1 N R 3 W S 28 B T.
- A cedar, 20 ins.diam., bears S.5°E., 77 lks.dist., marked T 1 N R 3 W S 33 B T.
- A pinon, 10 ins.diam., bears S.44°30'W., 1.03 chs.dist., marked T 1 N R 3 W S 32 B T.
- A cedar, 18 ins.diam., bears N.49°W., 38 lks.dist., marked T 1 N R 3 W S 29 B T..
- Land, mountainous.
- Soil, rocky, 3rd.rate.
- Timber, cedar and pinon.
- Mountainous land and heavily timbered on 80.00 chs.
-
- East, on, a random line, bet.secs.28 and 33.
- Set temp. $\frac{1}{4}$ sec.cor.
- Intersect N.and S.line, 7.lks.S.of the.cor.of secs. 27-28-33 and 34.
- Thence I run
S.89°57'W., on a true line,
Bet.secs.28 and 33.
- Over rocky land, ascend through dense artemisia.
- Enter heavy cedar and pinon timber, bears N.W. and S.E.

SUBDIVISIONS. OF T. 11 N., R. 5 W.

CHAINS

39.96 Set a sandstone, 20x8x8 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, from which

A cedar, 10 ins. diam., bears N. $18^{\circ}W.$, 21 lks.dist., marked $\frac{1}{4} S 28 B T.$

A cedar, 10 ins. diam., bears S. $87^{\circ}E.$, 41 lks.dist., marked $\frac{1}{4} S 33 B T.$

48.00 Top of ridge, bears N.W. and S.E.

Descend.

53.00 Head of hollow, course S.E.

Ascend.

79.92 The cor.of secs. 28-29-32 and 33.

Land, mountainous.

Soil, rocky, 3rd.rate.

Timber, cedar and pinon.

Mountainous land and dense undergrowth or heavily timbered on 79.92 chs.

October 18: At this cor. I set off $9^{\circ}23' S.$ on decl.arc; and at 11h.45m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}37'N.$

N. $0^{\circ} 03'W.$, bet. secs. 28 and 29.

Over rocky land, ascend through heavy cedar and pinon timber.

38.00 Top of ridge, bears N.W. and S.E.

Descend.

40.00 Set a trachyte stone, 18x12x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, from which

A cedar, 12 ins. diam., bears S. $43^{\circ}E.$, 39 lks.dist., marked $\frac{1}{4} S 28 B T.$

A cedar, 8 ins. diam., bears S. $50^{\circ}W.$, 10 lks.dist., marked $\frac{1}{4} S 29 B T.$

50.50 Leave timber, bears N.W. and S.E.

Enter dense artemisia.

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS	
54.50	Bottom of hollow, 100 ft. deep, course S.E. Ascend.
74.00	Enter scattering cottonwood timber.
78.50	Top of spur, projects S.E. Descend.
80.00	Bottom of hollow, 75 ft. deep, course S.E. Set a sandstone, 20x12x6 ins., 15 ins. in the ground, for cor. of secs. 20-21-28 and 29, marked with 2 notches on S. and 4 notches on E. edges, from which A cottonwood, 4 ins. diam., bears N. 60° E., 67 lks. dist., marked T 1 N R. 3 W S 21 B T. A cottonwood, 4 ins. diam., bears S. 53° E., 90 lks. dist., marked T 1 N R 3 W S 28 B T. A cedar, 6 ins. diam., bears S. 16° W., 86 lks. dist., marked T 1 N R 3 W S 29 B T. A pinon, 10 ins. diam., bears N. 73° W., 98 lks. dist., marked T 1 N R 3 W S 20 B T. Land, mountainous. Soil, rocky, 3rd. rate. Timber, cedar and pinon. Mountainous land and heavily timbered or dense undergrowth on 80.00 chs.
40.00	N. 89° 57' E., on a random line, bet. secs. 21 and 28. Set temp. $\frac{1}{2}$ sec. cor.
80.06	Intersect. N. and S. line, 42 lks. N. of the cor. of secs. 21-22-27 and 28. Thence I run. N. 89° 58' W., on a true line, Bet. secs. 21 and 28. Over rocky land, ascend through dense artemisia.
16.50	Enter scattering cedar and pinon timber,
30.00	Enter heavy cedar and pinon timber; bears N.W. and S.E.

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAINS

- 37.00 Top of ridge bears N.W. and S.E.
Begin abrupt descent.
- 40.03 Set a trachyte stone, 18x12x4 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, from which
A pinon, 8 ins.diam., bears N.36°W., 24 lks.dist.,
marked $\frac{1}{4}$ S. 21 B T.
A cedar, 15 ins.diam., bears S.74°W., 17 lks.dist.,
marked $\frac{1}{4}$ S. 28 B T.
- 80.06 Enter dense oak brush and scattering cottonwood timber,
in bottom of hollow, 300 ft. below top of ridge, course S.E
The cor.of secs.20-21-28 and 29.
Land, mountainous.
Soil, rocky; third rate.
Timber, cedar, pinon and cottonwood.
Mountainous land, and heavily timbered or dense undergrowth
on 80.06 chs..

October 18, 1903.

October 19: At 8 a.m., l.m.t., I set off $40^{\circ}28'N.$ on the lat.
arc; $9^{\circ}40'S.$ on the decl.arc; and determine a meridian
with the solar at the cor.of secs.20-21-28 and 29.
Thence I run

N.0°03'W. bet. secs.20 and 21.

Ascend through dense oak brush and scattering cottonwood
timber.

- 4.00 Leave timber.
Enter heavy cedar and pinon timber, bearing N.W. and S.E.
40.00 Set a trachyte stone, 24x12x5 ins., 18 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which
A pinon, 15. ins.diam., bears S.76°E., 50 lks.dist.,
marked $\frac{1}{4}$ S. 21 B T.
A pinon, 5 ins.diam., bears N.79°W., 32 lks.dist.,
marked $\frac{1}{4}$ S. 20 B T.
- 53.00 Top of ridge bears N.W. and S.E.
Descend.

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAINS

- 60.00 Leave timber, bearing N.W. and S.E.
Enter dense artemisia.
- 80.00 Set a trachyte stone, 18x12x8 ins., 12 ins. in the ground,
for cor. of secs. 16-17-20 and 21, marked with 3 notches on
the S. and 4 notches on the E. edge; and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.
Land, mountainous.
Soil, rocky, third rate.
Timber, cedar, pinon and cottonwood.
Mountainous land, and heavily timbered or dense undergrowth
on 80.00 chs.
-
- S.89°58'E. on a random line bet. secs. 16 and 21.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.94 Intersect N. and S. line, 7 lks. S. of the cor. of secs.
15-16-21 and 22.
Thence I run
- S.89°59'W. on a true line
Bet. secs. 16 and 21.
- Descend through dense artemisia, oak brush and scattering
cedar timber.
- 11.00 Leave timber.
- 15.00 Bottom of hollow, 100 ft. deep, course S.E. from the west;
thence along hollow.
Ascend.
- 38.50 Leave bottom of hollow, course from N.W. to E. Abrupt ascent.
- 39.97 Set a sandstone, 24x8x5 ins., 18 ins. in the ground,
for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
Pits impracticable.
- 79.94 The cor. of secs. 16-17-20 and 21.
Land, mountainous.
Soil, rocky; third rate.

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAIN.

Timber, cedar.

Mountainous land and dense undergrowth on 79.94 chs.

October 19: At this cor., I set off 9°45' S. on the decl.

arc; and, at 11h 45m a.m., l.m.t., observe the sun on the
meridian; the resulting lat. is 40°29' N.

N. 0°03' W. bet. secs. 16 and 17.

Descend through dense artemisia, and oak brush.

13.00 Bottom of hollow, 100 ft. deep, course E.

40.00 Set a trachyte stone, 18x12x6 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

43.00 Top of spur projects S.E.

Begin abrupt descent.

60.75 Bottom of hollow, 100 ft. deep, course S.E. Ascend.

78.00 Top of spur projects S.E.

Descend.

80.00 Set a trachyte stone, 24x10x6 ins., 18 ins. in the ground,
for cor. of secs. 8-9-16 and 17, marked with 4 notches on the
S. and E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft.
high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky, third rate.

Timber, none.

Mountainous land and dense undergrowth on 80.00 chs.

N. 89°59' E. on a random line bet. secs. 9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec. cor.80.18 Intersect N. and S. line, 9 lks. S. of the cor. of secs.
9-10-15 and 16.

Thence I run

S. 89°55' W. on a true line

Bet. secs. 9 and 16.

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAINS

- Descend through dense artemisia and oak brush.
- 6.50 Bottom of hollow, 100 ft. deep, course S.E.
Ascend.
- 40.09 Top of ridge bears N.W. and S.E.
Set a trachyte stone, 24x8x6 ins., 18 ins. in the ground, for
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on N. face; from which
A pinon, 5 ins. diam., bears S. 32° W., 95 lks. dist.,
marked $\frac{1}{4}$ S 16° B.T.
No other trees within limits; and raise a mound of
stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Pits impracticable.
- 41.00 Enter scattering cedar timber.
- 46.00 Leave timber.
- 54.75 Bottom of hollow, 100 ft. deep, course S.E.
Begin abrupt ascent.
- 65.00 Top of ridge bears N.W. and S.E.
Begin abrupt descent.
- 71.00 Bottom of hollow, 75 ft. deep, course S.E.
Ascend.
- 80.18 The cor. of secs. 8-9-16 and 17.
Land, mountainous.
Soil, rocky; third rate.
Timber, cedar.
Mountainous land and dense undergrowth on 80.18 chs.
- October 19, 1903.
-
- October 20; At 8 a.m., l.m.t., I set off $40^{\circ}30' N.$ on lat.
arc; $10^{\circ}01' S.$ on decl. arc; and determine ameridian with the
solar; at the cor. of secs. 8-9-16 and 17.
Thence I run
N. $0^{\circ}03' W.$, bet. secs. 8 and 9:
Over rocky land, descend through dense artemisia.
- 6.25 Bottom of hollow, 100 ft. deep, course S.E.
Ascend.
- 13.50 Top of ridge, bears N.W. and S.E.

SUBDIVISIONS OF T.L N., R.3 W.

CHAINS

ascend.

31.50 Bottom of hollow, 150 ft. deep, course S.E..

Begin abrupt ascent.

40.00 Set a trachyte stone, 18x12x5 ins., 12 ins. in the ground, for
sec.cor., marked $\frac{1}{4}$ on W.face, and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.

43.00 Top of ridge, bears N.W. and S.E.

Descend.

61.75 Bottom of hollow, 75 ft. deep, course S.E.

Ascend.

65.75 Top of spur, projects E.

Descend..

75.50 Bottom of hollow, 75 ft. deep, course S.E..

Ascend.

80.00 Set a sandstone, 20x10x6 ins., 15 ins. in the ground, for cor.
of secs. 4-5-8 and 9, marked with 5 notches on S. and 4 notches
on E.edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft.
high, W.of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky, 3rd.rate.

No timber.

Mountainous land and dense undergrowth on 80.00 chs.

N.89°55'E., on a random line, bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{2}$ sec.cor.80.14 Intersect N.and S.line, 5 lks.S.of the cor.of secs.
3-4-9 and 10.

Thence I run

S.89°53'W., on a true line,

Bet. secs. 4 and 9.

Over rocky land, descend through dense artemisia and oak
brush.

40.07 Set a trachyte stone, 16x8x8 ins., 11 ins. in the ground, for

SUBDIVISIONS OF T. 1 N., R. 31 W.

CHAINS	$\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
40.25	Bottom of hollow, 100 ft. deep, course S.E. Ascend.
75.50	Top of ridge, bears N.W. and S.E. Descend.
80.14	The cor.of secs.4-5-8. and 9. Land rolling. Soil, rocky, 3rd.rate. No timber. Dense undergrowth on 80.14 chs. October 20: At this cor. I set off 10°06'S.on decl.arc; and at 11h.45m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 40°31'N.
40.00	N.0° 03'W., on a random line, bet. secs.4 and 5. Set temp. $\frac{1}{2}$ sec.cor.
76.69	Intersect N.bdy.of Tp., 3 lks.E.of the cor.of secs. 4-5-32 and 33, heretofore described. Thence I run
	S.0° 04'E., on a true line, Bet. secs.4 and 5. Over rocky land, ascend gradually through dense artemisia, oak and service berry brush.
36.69	Set a trachyte stone, 18x13x8 ins., 12. ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
59.00	Top of ridge, bears N.W. and S.E. Descend.
76.69	The cor.of secs.4-5-8 and 9. Land, rolling. Soil, rocky, 3rd.rate.

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS

No timber.

Dense undergrowth on 76.69 chs..

October 20, 1903.

October 21: At 8 a.m., l.m.t., I set off $40^{\circ}26'W.$ on lat. arc; $10^{\circ}23'S.$ on decl. arc; and determine a meridian with the solar, at the base line cor. of secs. 31 and 32, heretofore described on the Uintah Special Base Line.

Thence I run

$N.0^{\circ}04'W.$, bet. secs. 31 and 32.

Over rocky land, descend through heavy cedar and pinon timber.

10.25 Bottom of ravine, 150 ft. deep, course S.E.

Begin abrupt ascent.

30.00 Top of ridge, bears N.W. and S.E.

Descend.

40.00 Set a trachyte stone, 18x8x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which

A cedar, 10 ins. diam., bears $N.37^{\circ}E.$, 8 lks. dist., marked $\frac{1}{4} S 32 B T.$

A cedar, 8 ins. diam., bears $S.42^{\circ}W.$, 13 lks. dist., marked $\frac{1}{4} S 31 B T.$

68.00 Leave timber, bears N.W. and S.E.

Enter dense artemisia.

80.00 Set a trachyte stone, 18x13x6 ins., 12 ins. in the ground, for cor. of secs. 39-30-31 and 32, marked with 1 notch on S. and 5 notches on E. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky 3rd. rate.

Timber, cedar and pinon.
Mountainous land and heavily timbered or dense undergrowth on 80.00 chs.

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS

East, on a random line, bet. secs. 29 and 32.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

20.04 Intersect N. and S. line, 5 lks.N. of the cor.of secs.
28-29-30 and 33.

Thence I run

N. 29° 58' W., on a true line,

Bet. secs. 29 and 32.

Over rocky land, ascend through heavy cedar and pinon
timber.

40.02 Set a trachyte stone, 15x12x10 ins., 10 ins.in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, from which

A cedar, 8 ins.diam., bears N.57°E., 38 lks.dist.,
marked $\frac{1}{4}$ S 29 B T.

A pinon, 14 ins.diam., bears S.71°W., 12 lks.dist.,
marked $\frac{1}{4}$ S 32 B T.

40.50 Top of ridge, bears N.W. and S.E.

Descend.

52.00 Leave timber, bears N.W. and S.E.

Enter dense artemisia.

69.75 Bottom of hollow, 100 ft.deep, course S.E.

Ascend.

80.04 The cor.of secs. 2-30-31 and 32.

Land, rolling.

Soil, rocky, 3rd.rate.

Timber, cedar and pinon.

Heavily timbered or dense undergrowth on 80.04 chs.

Extending the line bet.secs. 30 and 31 will not close
within limits on the west bdy.of the Tp.

I run

West, on a true line,

Bet. secs. 30 and 31.

Over rocky land ascend through dense artemisia.

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS

- 7.75 Enter heavy cedar and pinon timber, bears N.W. and S.E.
- 40.00 Set a trachyte stone, 24x12x8 ins., 18 ins. in the ground, f r
 $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, from which
 A pinon, 6 ins. diam., bears N. 36° E., 34 lks.dist.,
 marked $\frac{1}{4}$ S 30 B T.
 A cedar, 8 ins. diam., bears S. 8° W., 56 lks.dist.,
 marked $\frac{1}{4}$ S 31 B T.
- 66.00 Top of ridge, bears N.W. and S.E.
 Descend.
- 68.00 Leave timber, bears N.W. and S.E.
- 73.00 Bottom of hollow, 40 ft. deep, course S.E.
 Ascend.
- 80.25 Intersect W.bdy. of Tp., N. $0^{\circ}28'$ E., 6.40 chs.dist. from the
 re-established cor.of secs.25-30-31 and 36, heretofore
 described.
 Set a trachyte stone, 18x8x6 ins., 12 ins. in the ground, fo
 closing cor.of secs.30 and 31, marked C C on E., with 1
 groove on S. and 5 grooves on N.faces, and raise a mound
 of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E.of cor.
 Pits impracticable.
 I destroy all marks on the cor.of secs.25-30-31 and 36
 that pertain to T.1 N., R.3 W.
 Land, rolling.
 Soil, rocky, 3rd.rate.
 Timber, cedar and pinon.
 Dense undergrowth or heavily timbered on 80.25 chs.
 October 21: At this cor. I set off $10^{\circ}28'S.$ on decl.arc;
 and at 11h.45m., a.m., 1.m.t., observe the sun on the
 meridian, the resulting lat. is $40^{\circ}27'N!$
-
- N. $0^{\circ} 04'W.$, bet. secs.29 and 30.
 Over rocky land, descend through dense artemisia.
- 10.50 Bottom of hollow, 100 ft. deep, course S.E.



SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS

23.00 Bottom of hollow, 150 ft. deep, course S.E.

Ascend.

39.99 Set a trachyte stone, 18x8x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.

Pits impracticable.

79.98 The cor.of secs.19-20-29 and 30.

Land, rolling.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Dense undergrowth on 79.98 chs.

Knowing the line, bet.secs, 19 and 30 will not close within limits on the W.bdy.of the Tp., I run

West, on a true line,

Bet.secs.19 and 30.

Over rocky land, ascend through dense artemisia.

40.00 Set a trachyte stone, 20x8x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.

Pits impracticable.

64.00 Top of ridge, bears N.W. and S.E.

Descend.

72.50 Bottom of hollow, 75 ft. deep, course S.E.

Ascend.

79.49 Intersect W.bdy.of Tp., N:0°28'E., 6.55 chs.dist. from the re-established cor.of secs.19-24-25 and 30, heretofore described I destroy all marks on the cor.of secs.19-24-25 and 30 that pertain to T.1 N., R.3 W. Set a trachyte stone, 20x15x12 ins., 15 ins. in the ground, for closing cor.of secs.19 and 30, marked C-C on E., with 2 grooves on S. and 4 grooves on N.faces, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E.of cor.

Pits impracticable.

Land, rolling.

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS	<p>Soil, rocky, 3rd. rate.</p> <p>No timber.</p> <p>Dense undergrowth on 79.49 chs.</p>
	October 21, 1903.
	<p>October 22: At 8 a.m., l.m.t., I set off $40^{\circ}28'N.$ on lat. arc; $10^{\circ}44'S.$ on decl. arc; and determine a meridian with the solar, at the cor. of secs. 19-20-29 and 30.</p> <p>Thence I run</p> <p>N.$0^{\circ} 04'W.$, bet. secs. 19 and 20.</p> <p>Over rocky land, descend gradually through dense artemisia.</p>
40.00	<p>Set a trachyte stone, $18 \times 10 \times 6$ ins., 12 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Pits impracticable.</p>
80.00	<p>Set a trachyte stone, $20 \times 12 \times 6$ ins., 15 ins. in the ground, for cor. of secs. 17-18-19 and 20, marked with 3 notches on S. and 5 notches on E. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Pits impracticable.</p> <p>Land, sloping north,</p> <p>Soil, rocky, 3rd. rate.</p> <p>No timber.</p> <p>Dense undergrowth on 80.00 chs.</p>
	<p>S.$89^{\circ}59'E.$, on a random line, bet. secs. 17 and 20.</p>
40.00	<p>Set temp. $\frac{1}{2}$ sec.cor.</p>
80.06	<p>Intersect N. and S. line, 5 lks. N. of the cor. of secs. 16-17-20 and 21.</p> <p>Thence I run</p> <p>N.$89^{\circ}57'W.$, on a true line,</p> <p>Bet. secs. 17 and 20.</p> <p>Over rocky land, ascend through dense artemisia and oak brush.</p>

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS

- 23.00 Enter heavy cedar and pinon timber, bears N.W. and S.E.
- 27.00 Top of ridge, bears N.W. and S.E.
- Begin abrupt descent.
- 40.03 Set a trachyte stone, 24x8x6 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, from which
 A pinon, 18 ins. diam., bears N.51°E., 13 lks.dist.,
 marked $\frac{1}{4}$ S 17 B.T.
 A pinon, 10 ins. diam., bears S.51°W., 31 lks.dist.,
 marked $\frac{1}{4}$ S 20 B.T.
- 52.00 Leave timber, bears N.W. and S.E.
- 53.00 Bottom of hollow, 100 ft. deep, course S.E.
- Ascend.
- 80.06 The cor.of secs.17-18-19 and 20.
- Land, rolling.
- Soil, rocky, 3rd.rate.
- Timber, cedar and pinon.
- Heavily timbered or dense undergrowth on 80.06 chs.

Knowing the line betsecs.18 and 19 will not close within limits on the W.bdy.of the Tp., I run west, on a true line,
 Bet.secs.18 and 19.

Over rocky land, ascend through dense artemisia, oak and service berry brush.

- 40.00 Set a trachyte stone, 20x10x4 ins., 15 ins. in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N.of cor.
- Pits impracticable.
- 78.74 Intersect W.bdy.of Tp., N.0°39' E., 6.58 chs.dist., from the cor.of secs.13-18-19 and 24, heretofore described.
- Set a trachyte stone, 18x12x8 ins., 12 ins. in the ground, for closing cor.of secs.18 and 19, marked C.C on E., with 3 grooves on the N. and S. faces; and raise a

SUBDIVISIONS OF T. 1 N., R. 3 W.

Chains

mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. Pits impracticable to destroy all marks on the cor. of secs. 13-18-19 and 24, that pertain to T. 1 N., R. 3 W.
Land, rolling.

Soil, rocky; third rate.

Timber, none.

Dense undergrowth on 78.74 chs.

N. 0° 04' W. bet. secs. 17 and 18.

Descend over rocky land through dense artemisia.

18.00 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

24.00 Enter scattering cedar and pinon timber.

37.00 Top of spur projects W.

Leave timber.

39.90 Bottom of hollow, 75 ft. deep, course W.

40.00 Set a sandstone, 18x10x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

45.00 Top of spur projects W.

Descend.

61.00 Bottom of hollow, 100 ft. deep, course from N.W. to S.W.

Ascend.

80.00 Set a trachyte stone, 20x10x5 ins., 15 ins. in the ground, for cor. of secs. 7-8-17 and 18, marked with 5 notches on the E. and 4 notches on the S. edge; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky; third rate.

Timber, cedar and pinon.

Mountainous land and dense undergrowth on 80.00 chs.

October 22: At this cor., I set off 10° 49' S. on the decl. arc; and, at 11h. 45m. a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 40° 30' N.

SUBDIVISIONS OF T. 1 N., R. 3 W.

CHAIN.

S.89°57'E.on a random line bet.secs.8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.16 Intersect N.and S.line,7 lks.N.of the cor.of secs.

8-9-16 and 17.

Thence I run

N.89° 54'W.,on a true line,

Bet.secs.8 and 17..

Over rocky land,ascend through dense artemisia,oak and service berry brush.

23.00 Top of ridge,bears N.W. and S.E.

Descend.

30.30 Head of hollow,100 ft.deep,course S.E.

Ascend.

40.08 Set a trachyte stone,18x12x10 ins.,12 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face, and raise a mound of stone,2 ft.base, $1\frac{1}{2}$ ft.high,N.of cor.

Pits impracticable.

65.50 Top of ridge,bears N.W. and S.E.

Descend.

80.16 The cor.of secs.7-8-17 and 18.

Land,rolling.

Soil,rocky,3rd.rate.

No timber.

Dense undergrowth on 80.16 chs.

Knowing the line bet.secs.7 and 18 will not close within limits on the W.bdy.of the Tp.,I run

west, on a true line,

Bet.secs.7 and 18..

Over rocky land,descend through dense artemisia and scattering oak and service berry brush.

15.00 Bottom of hollow,100 ft.deep,course S.

Ascend.

40.00 Set a trachyte stone,20x10x6 ins.,15 ins.in the ground,

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS

for $\frac{1}{2}$ sec.cor., marked $\frac{1}{4}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.

Pits impracticable.

78.71 Intersect W.bdy.of Tp.N., 6.92 chs.dist., from the cor.of secs.7-12-13 and 18, heretofore described.

Set a trachyte stone, 30x12x10 ins., 22 ins. in the ground, for closing cor.of secs.7 and 18, marked C C on E., with 4 grooves on S. and 2 grooves on N.faces, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E.of cor.

Pits impracticable.

I destroy all marks on the cor.of secs.7-12-13 and 18 that pertain to T.1 N., R.3 W.

Land, rolling.

Soil, rocky, 3rd.rate.

No timber.

Dense undergrowth on .78.71 chs.

October 23, 1903.

October 23: At 8 a.m., l.m.t., I set off $40^{\circ}30'W.$ on lat.arc; $11^{\circ}06'S.$ on decl.arc. and determine a meridian with the solar, at the cor.of secs.7-8-17 and 18.

Thence I run

$N.0^{\circ} 04'W.$, bet.secs.7 and 8.

Over rocky land, ascend through dense artemisia and scattering oak and service berry brush.

16.00 Top of ridge, bears N.W. and S.E.

Descent.

40.00 Set a trachyte stone, 18x12x6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{4}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.

77.50 Bottom of hollow, 100 ft. deep, course S.E.
Ascent.

87.00 Set a trachyte stone, 30x10x10 ins., 15 ins. in the ground,

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS

- for cor.of secs.5-6-7 and 8,marked with 5 notches on S. and E.edges, and raise a mound of stone,2 ft.base,1 $\frac{1}{2}$ ft. high,W.of cor.
- Pits impracticable.
- Land,rolling.
- Soil,rocky,3rd.rate.
- No timber.
- Dense undergrowth on 80.00 chs.
-

S.89°54' E.,on a random line,betsecs.5 and 8.

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.10 Intersect N.ahd S.line,3 lks.N.of the cor.of secs. 4-5-8 and 9.

Thence I run

W.89°53' W.,on a true line,

Bet.secs.5 and 8.

Over rocky land,descend through dense artemisia,oak and service berry brush..

- 9.00 Bottom of hollow,75 ft.deep,course S.E..

Ascend.

- 27.50 Top of ridge,bears N.W.and S.E..

Descend.

- 33.25 Bottom of hollow,100 ft.deep,course S.E..

Ascend..

- 40.05 Set a trachyte stone,18x12x6 ins.,12 ins.in the ground, for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face, and raise a mound of stone,2 ft.base,1 $\frac{1}{2}$ ft.high,N.of cor..

Pits impracticable..

- 58.00 Top of ridge,Bears N.W.and S.E..

Descend.

- 68.00 Bottom of hollow,100 ft.deep,course S.E..

Ascend.

- 74.60 Top of spur,projects S.E..

Descend.

- 80.10 The cor.of secs.5-6-7 and 8.

SUBDIVISIONS OF T.L N., R.S. W.

CHAINS

Land, mountainous.

Soil, rocky, str. rate.

No timber.

Mountainous land and dense undergrowth on 80.10 chs.

October 23: At this cor. I set off 11° 1' S. on decl. arc; and at 11h.45m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 40° 31' N.

Knowing the line, bet. secs. 6 and 7 will not close within limits on the W. bdy. of the Tp., I run

West, on a true line,

Bet. secs. 6 and 7.

Over rocky land, descend through dense artemisia, oak and service berry brush.

2.00 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

40.00 Set a trachyte stone, 16x12x4 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

51.00 Top of ridge, bears N.W. and S.E.

Begin abrupt descent.

78.62 Intersect W. bdy. of Tp., north, 7.58 chs. dist., from the cor. of secs. 1-6-7 and 12, heretofore described.

Set a trachyte stone, 18x10x6 ins., 13 ins. in the ground, for closing cor. of secs. 6 and 7, marked C C on E., with 5 grooves on S. and 1 groove on N. faces, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

Pits impracticable.

I destroy all marks on the cor. of secs. 1-6-7 and 12 that pertain to T.L N., R.S. W.

Land, mountainous.

Soil, rocky, str. rate.

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS

No timber.

Mountainous land and dense undergrowth on 78.65 chs.

N.0° 04'W., on a random line, bet. secs. 5 and 6.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

76.74 Intersect N.bdy.of the Tp., 7 lks.W.of the cor.of secs. 5-6-31 and 32, heretofore described.

Thence I run

S.0° 01'E., on a true line,

Bet. secs. 5 and 6.

Over rocky land, descend through dense artemisia, oak and service berry brush.

36.74 Set a trachyte stone, 18x12x5 ins., 12 ins.in the ground for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.

63.50 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

72.75 Top of ridge, bears N.W. and S.E.

Begin abrupt descent.

76.74 The cor.of secs. 5-6-7 and 8.

Land, mountainous.

Soil, rocky, 3rd.rate.

No timber.

Mountainous land and dense undergrowth on 76.74 chs.

October 23, 1902.

GENERAL DESCRIPTION.

This township is situated near the foot of the south slope of the Uintah Mountain, the surface is undulating sloping south east and the entire township may be classed as mountainous.

The soil, is generally rocky, unfit for agricultural purposes, it may be classed 3rd.rate.

GENERAL DESCRIPTION OF T.1 N., R.3 W.

About half of the southern portion of the township is covered with heavy cedar and pinon timber, the balance is covered with a dense undergrowth and nutritious grasses, making this an excellent range,

The only water found in this township is seepage in the bottom of hollows in secs. 18 and 22, this seepage cannot be classed as a living spring and could not be located from any line.

The deserted cabin in the S.E. $\frac{1}{4}$ sec. 11, is said to belong to an Indian named "Wash", he has no other improvements.

There are no settlers in this township.

There are no indications of mineral found in this township.

Harry M. Hart

U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by
 United States Deputy Surveyor, to assist in running, measuring, and
 marking the lines and corners described in the foregoing field notes of the survey of
 showing the respective capacities in which they acted:

....., *Chairman.*
For final affidavits see book "Dr. J. I. D. R. 2-15", *Chairman.*
 *Moundman.*
 *Moundman.*
 *Arman.*
 *Arman.*
 *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted
 United States Deputy Surveyor, in surveying all
 those parts or portions of the
 of the
 meridian, of which are represented
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for

....., *Chairman.*
For final affidavits see book "Dr. J. I. D. R. 2-15", *Chairman.*
 *Moundman.*
 *Moundman.*
 *Arman.*
 *Arman.*
 *Flagman.*

Subscribed and sworn to before me this }
 day of 180 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, bearing date of _____, United States Surveyor General for _____, day of _____, 189_____, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____.

For final affidavits see back of lot R. 2 W.

..... meridian, in the of which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said, _____, and sworn to before me }
this _____ day of _____, 189 }

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0 SEAL 0
00000

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah April 12, 1894.
The foregoing field notes of the survey of the Subdivisional lines of Section 14, 1/4 of Section 14, Range 3 West of the Thirtieth Parallel and Meridians, Utah

executed by _____, dated July 20-1903, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Peck, Jr.
United States Surveyor Gen.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor Gen.

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N.

BOOK A-304

FILED

JAN 12 1904

FIELD NOTES

L.H.

OF THE SURVEY OF THE

Subdivisionof
Township No 1 North
Range No 2 Westof the Ninety Special Basend Meridian,
in the state of Wash.

AS SURVEYED BY

Harvey D. Heist United States Deputy Surveyor,

Under his Contract No. 266, dated July 20, 1903.

Survey commenced October 24, 1903.

Survey completed November 9, 1903.

6-101

High	59-67-51'	19-11-01'
low-	3-5-0'	
avg-	13-42'	

NAMES AND DUTIES OF ASSISTANTS.

Earl Woolley Chairman
William Walquist " "
Alma Johnson Moundman
Harry Payne Axman
Joseph Erickson Flagman

For preliminary affidavits see book "J. I. D. R. I. W."

Volume

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R0304

BOOK A-304

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey c

, Chainman

, Chain

Subscribed and sworn to before me this _____
day of _____, 190 _____ }



WE, _____ and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

, Moundman

, Moundman

Subscribed and sworn to before me this _____
day of _____, 190 _____ }



WE, _____ and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey

, Axman

, Axman

Subscribed and sworn to before me this _____
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

, Flagman

Subscribed and sworn to before me this _____
day of _____, 190 _____ }



SUBDIVISIONS OF T.LN., R.Z W.

Survey commenced, October 24, 1903, and executed with the instrument described in book "A", of this survey.

I examine the adjustments of the transit, and correct the level and collimation errors; then to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris,

I proceed as follows:

At the base line cor. of secs. 35 and 36, heretofore described on the Uintah Special Base Line; latitude $40^{\circ}26' 20''$ N., longitude $110^{\circ}05'27''$ W., I set off $40^{\circ}26' N.$ on lat. arc; $11^{\circ}34' S.$ on decl. arc; and at 4 p.m., l.m.t. determine with the solar a meridian and mark a point thereof on a stone, firmly set in the ground, 5.00 chs. N. of the cor.

October 24, 1903.

October 25: At 5h. 11m., a.m., l.m.t., I observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, by a tack in a wooden peg, driven in the ground, 5.00 chs. N. of my station.

At 7 a.m., I lay off the azimuth of Polaris, $1^{\circ}35'$ to the east, and mark the meridian thus determined by cutting a small groove in the stone set last evening, on which the meridian falls 0.5 ins. east of the mark determined by the solar.

At 7 a.m., l.m.t., I set off $40^{\circ}26' N.$ on lat. arc; $11^{\circ}48' S.$ on decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of my station; this mark falls 0.5 ins. east of the meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations, defines positions for meridians, about $0'26''$ west and east of the meridian established by the Polaris observations,

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h.30m., a.m., is N. $16^{\circ} 41'W.$; the angle thus determined, gives the mag.decl. $16^{\circ} 41'E.$

The east bdy.of the Tp.being out of limits for course and distance, I establish a sectional guide meridian, as follows:

From the base line cor.of secs.35 and 36, heretofore described, I run

North, on a sectional guide meridian,

Bet. secs.35 and 36.

over rocky land, ascend along top of ridge, bearing N.and S. through dense artemisia.

16.00 Leave ridge, bears N.E. and S.

Descend. Enter scattering cedar and pinon timber.

32.25 Bottom of hollow, 100. ft. deep, course S.W.

Ascend.

40.00 Set a trachyte stone. 18x12x6 ins., 12 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, and from which

A cedar, 5 ins.diam., bears N. $35^{\circ}E.$, 38 lks.dist., marked $\frac{1}{4}$ S 36 B T.

A cedar, 6 ins.diam., bears S. $21^{\circ}W.$, 1.00 ch.dist., marked $\frac{1}{4}$ S 35 B T.

71.00 Wagon road, bears E. and W.

79.00 Leave timber.

80.00 Set a trachyte stone, 15x12x5 ins., 10. ins.in the ground, for cor.of secs.25-26-35 and 36, marked with 1.notch on S.and E.edges, from which

A cedar, 6 ins.diam., bears N. $81^{\circ}E.$, 1.08 chs.dist., marked T 1 N R 2 W S 25 B T.

A cedar, 6 ins.diam., bears S. $33^{\circ}E.$, 1.02 chs.dist., marked T 1 N R 2 W S 36 B T..

No other trees within limits, and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high, W.of cor.

BOOK A-304
(3)

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

Pits impracticable.

Land, rolling.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Dense undergrowth on 80.00 chs.

North, on a sectional guide meridian,

Bet. secs. 25 and 26.

Over rocky land, ascend through dense artemisia.

27.00 Enter heavy cedar and pinon timber, bears N.W. and S.E.

37.00 Top of spur, projects S.E.

Descend.

40.00 Set a trachyte stone, 15x12x5 ins., 10 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on W. face, and from which

A cedar, 12 ins. diam., bears S.55°E., 39 lks. dist.,
marked $\frac{1}{4}$ S 25 B T.

A cedar, 5. ins. diam., bears S.35°W., 30 lks. dist.,
marked $\frac{1}{4}$ S 26 B T.

42.50 Head of hollow, course. S.E.

Ascend.

60.00 Top of ridge, bears N.E. and S.W.

Descend.

76.00 Leave timber, bears E. and W. Enter scattering cedars.

80.00 Set a sandstone, 20x12x8 ins., 15 ins. in the ground, for
cor. of secs. 23-24-25 and 26, marked with 2 notches on S.
and 1. notch on E. edges, from which

A cedar, 5 ins. diam., bears N.77°E., 1.42 chs. dist.,
marked T 1 N R 2 W S 24 B T.

A cedar, 5 ins. diam., bears S.1°E., 81 lks. dist.,
marked T 1 N R 2 W S 25 B T.

A cedar, 6 ins. diam., bears S.35°W., 1.11 chs. dist.,
marked T 1 N R 2 W S 26 B T.

No other trees within limits, and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

Pits impracticable.
 Land, rolling.
 Soil, rocky, 3rd. rate.
 Timber, cedar and pinon.
 Dense undergrowth or heavily timbered on 80.00 chs.

North, on a sectional guide meridian,

Bet. secs. 23 and 24.

Descend through dense artemisia.

2.00 Bottom of hollow, 100 ft. deep, course S.W.

Ascend.

16.50 Enter heavy cedar and pinon timber, bears N.W. and S.E.

40.00 Set a trachyte stone, 20x8x6 ins., 15 ins. in the ground,
 for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face, from which

A cedar, 10 ins. diam., bears S.75° E., 1.24 chs. dist.,
 marked $\frac{1}{4}$ S 24 B T.

A cedar, 5. ins. diam., bears N.84° W., 57 lks. dist.,
 marked $\frac{1}{4}$ S 23 B T.

73.00 Leave heavy timber, bears N.E. and S.W., enter scattering
 cedars.

80.00 Set a trachyte stone, 18x12x10. ins., 12. ins. in the ground,
 for cor. of secs. 13-14-23 and 24, marked with 3 notches on
 S. and 1 notch on E. edges, and from which

A cedar, 5 ins. diam., bears N.29° E., 26 lks. dist.,
 marked T 1 N R 2 W S 13 B T.

A cedar, 4 ins. diam., bears S.64° E., 17 lks. dist.,
 marked T 1 N R 2 W S 24 B T..

No other trees within limits, and raise a mound of stone,
 2. ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, rolling..

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Heavily timbered or dense undergrowth on 80.00 chs.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

October 25: At this cor., I set off $11^{\circ}53' S.$ on decl. arc; and at 11h.44m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}29' N.$

North, on a sectional guide meridian,

Bet. secs. 13 and 14.

Ascend through dense artemisia and scattering cedar and pinon timber.

7.00 Top of spur, projects S.W.

Descend.

10.00 Bottom of hollow, 100 ft. deep, course S.W.

Ascend.

17.00 Top of spur, projects E.

Descend.

Enter heavy cedar and pinon timber, bears E. and W.

22.00 Bottom of same hollow, 150 ft. deep, course S.E.

Begin abrupt ascent.

33.00 Top of abrupt ascent, bears N.W. and S.E.

Begin gradual ascent.

40.00 Set a trachyte stone, 18x12x4 ins., 12 ins. in the ground; for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face, from which

A cedar, 10 ins. diam., bears $N.33^{\circ}E.$, 62 lks. dist., marked $\frac{1}{4}$ S 13 B T.

A cedar, 6 ins. diam., bears $S.5^{\circ}W.$, 14 lks. dist., marked $\frac{1}{4}$ S 14 B T.

75.00 Top of ridge, bears N.W. and S.E.

Descend.

80.00 Set a trachyte stone, 18x12x5 ins., 12 ins. in the ground, for cor. of secs. 11-12-13 and 14, marked with 4 notches on S. and 1 notch on E. edges, from which

A cedar, 15 ins. diam., bears $N.5^{\circ}E.$, 18 lks. dist., marked T 1 N R 2 W S 12 B T.

A cedar, 8 ins. diam., bears $S.67^{\circ}E.$, 27 lks. dist., marked T 1 N R 2 W S 13 B T.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

A cedar, 20 ins. diam., bears S. 18° W., 27 lks. dist.,
marked T 1 N R 2 W S 14 B T.

A cedar, 20 ins. diam., bears N. 41° W., 8 lks. dist.,
marked T 1 N R 2 W S 11 B T.

Land, mountainous,

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Mountainous land and dense undergrowth or heavily
timbered on 80.00 chs.

North, on a sectional guide meridian,

Bet. secs. 11 and 12.

Over rocky land, descend through heavy cedar and pinon timber

40.00 Set a trachyte stone, 24x14x6 ins., 18 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which

A cedar, 8 ins. diam., bears N. 3° E., 90 lks. dist.,
marked $\frac{1}{4}$ S 12 B T.

A cedar, 8 ins. diam., bears S. 6° W., 96 lks. dist.,
marked $\frac{1}{4}$ S 11 B T.

46.50 Leave timber, bears N.W. and S.E.

Enter dense artemisia.

80.00 Set a trachyte stone, 18x13x5 ins., 12 ins. in the ground,
for cor. of secs. 1-2-11 and 12, marked with 5 notches on S.
and 1 notch on E. edges, and raise a mound of stone, 2 ft.
base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, rolling.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Heavily timbered and dense undergrowth on 80.00 chs.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

Knowing the line bet. secs. 1 and 2 will not close within limits on the N.bdy. of the Tp., I run .

North, on a sectional guide meridian,

Bet. secs. 1 and 2.

Over rocky land, descend through dense artemisia and oak brush.

13.50 Bottom of hollow, 50 ft. deep, course S.E. .

Ascend.

38.00 Enter scattering cedar and pinon timber..

40.00 Set a trachyte stone, 20x16x6 ins., 15 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face, from which

A cedar, 8 ins. diam., bears N. 19° E., 1.37 chs.dist.
marked $\frac{1}{2}$ S 1 B T.

A cedar, 5 ins. diam., bears S. 61° W., 99 lks.dist.,
marked $\frac{1}{4}$ S 2 B T. .

45.00 Top of ridge, bears N.W. and S.E.

Descend.

Enter heavy cedar and pinon timber, bears N.W. and S.E. .

76.70 Intersect N.bdy. of Tp., 2.53 chs.W. of the cor.of secs.

1-2-35 and 36, heretofore described.

Set a trachyte stone, 20x6x6 ins., 15 ins. in the ground, for closing cor.of secs. 1 and 2, marked C.C. on S., with 1 groove on E. and 5 grooves on W.faces, from which

A cedar, 8 ins. diam., bears S. 42° E., 36 lks.dist.,
marked T 1 N R 2 W S 1 B T.

A cedar, 8 ins. diam., bears S. 8° W., 32 lks.dist.,
marked T 1 N R 2 W S 2 B T. .

I destroy all marks on the cor.of secs. 1-2-35 and 36
that pertain to T.1 N., R.2. W.

Land, rolling.

Soil, rocky, 3rd.rate.

Timber, cedar and pinon.

Dense undergrowth or heavily timbered on 76.70 chs.

October 25, 1903.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS	October 26: At 8 a.m., l.m.t., I set off $40^{\circ}27'N.$ on lat. arc; $12^{\circ}08'S.$ on decl. arc; and determine a meridian with the solar at the cor. of secs. 25-26-35 and 36, heretofore described, on the sectional guide meridian. Thence I run East, on a random line, bet. secs. 25 and 36. Set temp. $\frac{1}{2}$ sec. cor. Intersect E.bdy. of the Tp., 5 lks. <u>N.</u> of the cor. of secs. 25 and 36, heretofore described. Thence I run $N.89^{\circ}58'W.$, on a true line, Bet. secs. 25 and 36. Over rocky land, ascend through dense artemisia. Top of ridge, bears. N. and S.. Descend. Enter heavy cedar and pinon timber, bears N. and S. Wagon road, bears N.E. and S.W. Set a trachyte stone, 15x10x8 ins., 10 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face, and from which A cedar, 5 ins. diam., bears $N.75^{\circ}E.$, 62 lks. dist., marked $\frac{1}{2}$ S 25 B T. A cedar, 12 ins. diam., bears $S.88^{\circ}E.$, 1.65 chs. dist., marked $\frac{1}{2}$ S 36 B T. Bottom of hollow, 100 ft. deep, course S. Ascend. Leave timber, bears N. and S. The cor. of secs. 25-26-35 and 36.. Land, rolling. Soil, rocky, 3rd. rate. Timber, cedar and pinon. Dense undergrowth or heavily timbered on 80.62 chs.
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SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

From the cor.of secs.23-24-25 and 26, heretofore described on the sectional guide meridian, I run S.89°58'E., on a random line, bet. secs.24 and 25.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

81.21 Intersect E.bdy.of Tp., 5 lks.N. of the cor.of secs' 24 and 25, heretofore described.

Thence I run

N.89° 56'W., on a true line,

Bet. secs.24 and 25.

Over rocky land, ascend through dense artemisia, scattering cedar and pinon timber.

19.50 Enter heavy cedar and pinon timber, bears N.and S.

26.00 Top of ridge, bears N.and S.

Descend.

41.21 Set a trachyte stone, 18x18x10 ins., 18 ins.in the ground, or $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, from which
A cedar, 8 ins.diam., bears N.64°W., 14 lks.dist.,
marked $\frac{1}{4}$ S 24 B.T.

A cedar, 12 ins.diam., bears S.32°E., 20 lks.dist.,
marked $\frac{1}{4}$ S 25 B.T.

77.50 Leave timber, bears N.and S..

81.21 The cor.of secs.23-24-25 and 26..

Land, rolling.

Soil, rocky, 3rd.rate.

Timber, cedar and pinon.

Dense undergrowth or heavily timbered on 81.21 chs.

From the cor.of secs.13-14-23 and 24, heretofore described on the sectional guide meridian, I run

S.89°56'E., on a random line, bet. secs.13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

81.64 Intersect E.bdy.of Tp., 12 lks.S. of the cor.of secs. 13 and 24, heretofore described.

Thence I run

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS	S.89°59'W., on a true line, Bet. secs. 13 and 24. Over rocky land, ascend through heavy cedar and pinon timber.
28.00	Top of ridge, bears N. and S.. Descend.
41.64	Set a trachyte stone, 18x12x10 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face, from which A cedar, 8 ins. diam., bears S.36°E., 16 lks. dist., marked $\frac{1}{4}$ S 24 B T. A cedar, 10 ins. diam., bears N.14°W., 23 lks. dist., marked $\frac{1}{4}$ S 13 B T.
76.00	Leave heavy timber, bears N.W. and S.E. Enter dense artemisia and scattering cedars.
81.64	The cor.of secs. 13-14-23 and 24. Land, rolling. Soil, rocky, 3rd. rate. Timber, cedar and pinon. Heavily timbered or dense undergrowth on 81.64 chs. October 26: At this cor. I set off 12°13'S. on decl. arc; and at 11h.44m..a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 40°29'N.
40.00	From the cor.of secs. 11-12-13 and 14, heretofore described on the sectional guide meridian, I run N.89°59'E., on a random line, bet. secs. 12 and 13. Set temp. $\frac{1}{4}$ sec.cor.
81.99	Intersect E.bdy. of Tp., 7 lks.S. of the cor.of secs. 12 and 13, heretofore described. Thence I run S.89°56'W., on a true line,
2.00	Bet. secs. 12 and 13. Descend through dense artemisia and scattering cedars. Enter heavy cedar and pinon timber, bears N.W. and S.E.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

- 32.00 Bottom of hollow, 50 ft. deep, course S.E.
Ascend.
- 41.99 Set a trachyte stone, 18x14x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, from which
A cedar, 10 ins. diam., bears N.41°E., 16 lks.dist.,
marked $\frac{1}{4}$ S 12 B.T.
A cedar, 5 ins. diam., bears S.48°W., 4 lks.dist.,
marked $\frac{1}{4}$ S 13 B.T.
- 81.99 The cor.of secs.11-12-13 and 14.
Land, rolling.
Soil, rocky, 3rd.rate.
Timber, cedar and pinon.
Dense undergrowth or heavily timbered on 81.99 chs.

From the cor.of secs.1-2-11 and 12, heretofore described,
on the sectional guide meridian, I run
N.89°56'E., on a random line, bet.secs.1 and 12.

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
82.28 Intersect E.bdy. of Tp., 5 lks.N. of the cor.of secs.
1- and 12, heretofore described.
Thence I run

S.89°58'W., on a true line,
Bet.secs.1 and 12.

Over rocky land, ascend through dense artemisia and
scattering cedar and pinon timber.

- 43.28 Set a trachyte stone, 18x13x6 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, and raise a mound of st n
2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
Pits impracticable.
- 67.00 Top of ridge, bears N.W. and S.E.
Descend.
- 77.00 Bottom of hollow, 50 ft. deep; course S.
Ascend.
- 82.28 The cor.of secs.1-2-11 and 12.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

Land, rolling.
Soil, rocky, 3rd. rate.
Timber, scattering cedar and pinon.
Dense undergrowth on 82.28 chs.

October 26, 1903.

October 27: At 8 a.m., l.m.t., I set off $40^{\circ}26'N.$ on lat.arc; $12^{\circ}29'S.$ on decl.arc; and determine a meridian with the solar, at the base line cor. of secs. 34 and 35, heretofore described, on the Uintah Special Base Line.

Thence I run

$N.0^{\circ} 01'W.$, bet. secs. 34 and 35.

Over rocky land, ascend through dense artemisia, scattering cedar and pinon timber.

21.50 Top of ridge, bears N.E. and S.W.

Descend.

35.00 Leave timber.

40.00 Set a trachyte stone, $20 \times 12 \times 7$ ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

52.00 Bottom of hollow, 100 ft. deep, course W.

Ascend.

54.00 Enter scattering cedar and pinon timber.

69.50 Top of ridge, bears N.W. and S.E.

Descend.

76.00 Leave timber.

80.00 Set a trachyte stone, $18 \times 8 \times 6$ ins., 12 ins. in the ground, for cor. of secs. 26-27-34 and 35, marked with 1 notch on S. and 2 notches on E. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, rolling.

Soil, rocky, 3rd. rate.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

Timber, scattering cedar and pinon..

Dense undergrowth on 80.00 chs.

East, on a random line, bet. secs. 26 and 35.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.06 Intersect N. and S. line, 5 lks.S. of the cor. of secs.
25-26-35 and 36.

Thence I run

S.89°58'W., on a true line,

Bet. secs. 26 and 35.

Over rocky land, ascend through dense artemisia.

5.00 Top of ridge, bears N. and S.

Descend.

18.50 Begin abrupt descent bears N. and S.

Enter heavy cedar and pinon timber, bears N. and S.

26.00 Foot of abrupt descent, bears N. and S.

Leave timber, bears N. and S.

Begin gradual descent,

40.03 Set a trachyte stone, 20x9x4 ins., 15 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on N. face, and raise a mound of st ne
2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

51.00 Wagon road, bears N.W. and S.E.

64.00 Bottom of hollow, 50 ft. deep, course N.W.

Ascend.

78.00 Top of spur, projects N.

Descend.

80.06 The cor. of secs. 26-27-34 and 35.

Land, rolling.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Heavily timbered; or dense undergrowth on 80.06 chs.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS	
	N.0° 01'W., bet. secs. 26 and 27.
	Over rocky land, descend through dense artemisia.
12.00	Wagon road, bears E. and W.
24.00	Wash, 4x4 ft., in bottom of hollow, 50 ft. deep, course S.W. Ascend. Enter scattering cedar and pinon timber.
40.00	Set a trachyte stone, 15x10x7 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which A cedar, 4 ins. diam., bears N.41°W., 35 lks. dist., marked $\frac{1}{2}$ S 27 B T. A cedar, 5 ins. diam., bears S.4°E., 1.08 chs. dist., marked $\frac{1}{4}$ S 26 B T.
41.00	Leave timber.
60.00	Top of spur, projects E. Descend.
67.00	Bottom of hollow, 75 ft. deep, course S.E. Ascend.
80.00	Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for cor. of secs. 22-23-26 and 27, marked with 2 notches on S. and E. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, stony, 3rd. rate. Timber, scattering cedar and pinon. Dense undergrowth on 80.00 chs. October 27: At this cor., I set off 12°34'S. on decl. arc; and at 11h.44m., a.m., 1.m.t., observe the sun on the meridi- an, the resulting lat. is 40° 28'N.
	N.89° 58'E., on a random line, bet. secs. 23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 23-24-25 and 26.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

Thence I run

N.89° 59' W., on a true line,

Bet. secs. 23 and 26.

Descend through dense artemisia.

9.00 Bottom of hollow, 100 ft. deep, course S.W.

Ascend.

15.75 Enter heavy cedar and pinon timber, bears N. and S.

23.00 Top of knoll, 200 ft. above sec. cor., bears N.E. and S.W.

Begin abrupt descent.

Leave timber, bears N.E. and S.W.

25.00 Foot of abrupt descent, bears N. and S.

Begin gradual descent.

39.50 Enter heavy cedar and pinon timber, bears N. and S.

40.04 Set a trachyte stone, 18x12x10 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on N. face, from which

A cedar, 5 ins. diam., bears N. 43° W., 29 lks. dist., marked $\frac{1}{2}$ S 23 B T.

A cedar, 4 ins. diam., bears S. 20° W., 34 lks. dist., marked $\frac{1}{2}$ S 26 B T.

52.50 Wash, 10 ft. wide, 8 ft. deep, course S.W.

63.00 Leave timber, bears N.E. and S.W.

73.75 Bottom of hollow, 100 ft. deep, course S.

Ascend.

77.00 Top of spur, projects S.

Descend.

80.08 The cor. of secs. 22-23-26 and 27.

Land, rolling.

Soil, stony, 3rd. rate.

Timber, cedar and pinon.

Dense undergrowth or heavily timbered on 80.08 chs.

N.0° 01' W., bet. secs. 22 and 23.

Over rocky land, ascend through dense artemisia.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS	
3.25	Enter dense cedar and pinon timber, bears N.W. and S.E.
7.00	Top of spur, projects W. Descend.
29.50	Bottom of hollow, 100 ft. deep, course S.W. Ascend.
34.50	Top of spur, projects E. Descend.
37.00	Bottom of same hollow, 100 ft. deep, course S.E. Ascend.
40.00	Set a trachyte stone, 18x12x12 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face, from which A cedar, 15 ins. diam., bears S.11°W., 25 lks.dist., marked $\frac{1}{4}$ S 22 B T. A cedar, 8 ins. diam., bears N.89°E., 65 lks.dist., marked $\frac{1}{4}$ S 23 B T.
49.00	Top of spur, projects W. Begin abrupt descent.
56.00	Bottom of same hollow, 100 ft. deep, course S.W. Begin abrupt ascent.
63.50	Top of spur, projects S.E. Descend.
67.00	Bottom of hollow, 75 ft. deep, course S.E. Ascend.
70.00	Top of spur, projects S.E. Descend.
78.00	Leave timber, bears N.W. and S.E.
80.00	Set a trachyte stone, 24x16x6 ins., 18 ins. in the ground, for cor. of secs. 14-15-22 and 23, marked with 3 notches on S. and 3 notches on E. edges, from which A cottonwood, 6 ins. diam., bears S.68°E., 1.55 chs.dist., marked T 1 N R 2 W S 23 B T. A cedar, 6 ins. diam., bears S.39°W., 77 lks.dist., marked T 1 N R 2 W S 22 B T. No other trees within limits, and raise a mound of stone,

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Mountainous land and dense undergrowth or heavily timbered on 80.00 chs.

October 27, 1903.

October 29: At 8 a.m., l.m.t., I set off $40^{\circ}29'N.$ on lat.arc; $13^{\circ}09'S.$ on decl.arc; and determine a meridian with the solar, at the cor.of secs. 14-15-22 and 23.

Thence I run

S. $89^{\circ} 59'E.$, on a random line, bet. secs. 14 and 23.

40.00 Set temp. $\frac{1}{2}$ sec.cor.

80.12 Intersect N. and S. line, 5 lks.N. of the cor.of secs. 13-14-23 and 24.

Thence I run

N. $89^{\circ} 57'W.$, on a true line,

Bet. secs. 14 and 23.

Gradual descent through dense artemisia and grease-wood brush.

10.75 Wash, 10 ft. wide, 8 ft. deep, coarse S.

Begin gradual ascent.

19.00 A spring bears N., 2.00 chs.dist.

22.00 Enter heavy cedar and pinon timber, bears N. and S.

40.06 Set a trachyte stone, 18x8x5 ins., 12 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, from which

A cedar, 15 ins.diam., bears N. $73^{\circ}W.$, 75 lks.dist., marked $\frac{1}{4}$ S 14 B T.

A cedar, 8 ins.diam., bears S. $18^{\circ}W.$, 72 lks.dist., marked $\frac{1}{4}$ S 23 B T.

42.00 Top of ridge, bears N.W. and S.E.

Descend.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

- 50.00 Bottom of hollow, 50 ft. deep, course S.E.
Ascend.
61.00 Top of ridge, bears N.W. and S.E.
Descend.
69.00 Leave timber, bears N.W. and S.E.
Enter dense oak brush.
78.00 Bottom of hollow, 100 ft. deep, course S.E.
Ascend.
80.12 The cor. of secs. 14-15-23 and 23.
Land, rolling.
Soil, rocky, 3rd. rate.
Timber, cedar and pinon.
Heavily timbered or dense undergrowth on 80.12 chs.

N.0° 01'W., bet. secs. 14 and 15.

- Descend through dense artemisia, grease-wood and oak brush.
2.50 Bottom of hollow, 100 ft. deep, course S.E.
Begin abrupt ascent.
12.00 Enter heavy cedar and pinon timber, bears N.W. and S.E.
23.00 Top of ridge, bears N.W. and S.E.
Descend.
28.00 Head of hollow, course S.E.
Ascend.
34.00 Top of ridge, bears N.W. and S.E.
Descend.
40.00 Set a trachyte stone, 20x10x8 ins., 15 ins. in the ground,
cor. $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face, from which
A pinon, 15 ins. diam., bears N.15°E., 21 lbs. dist.,
marked $\frac{1}{2}$ S 14 B.T.
A cedar, 6 ins. diam., bears S.77°W., 23 lbs. dist.,
marked $\frac{1}{2}$ S 15 B.T.
46.00 Hollow, 100 ft. deep, course S.E.
Ascend.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

- 53.00 Top of spur, projects S.E.
Begin abrupt descent.
- 69.00 Bottom of ravine, 150 ft. deep, course S.E.
Begin abrupt ascent.
- 80.00 Set a trachyte stone, 18x12x10 ins., 12 ins. in the ground,
for cor. of secs. 10-11-14 and 15, marked with 4 notches on
S. and 2 notches on E. edges, from which
 A pinon, 5 ins. diam., bears N. 84° E., 13 lks. dist.,
marked T 1 N R 2 W S 11 B T.
 A pinon, 6 ins. diam., bears S. 51° E., 1.04 chs. dist.,
marked T 1 N R 2 W S 14 B T.
 A pinon, 5 ins. diam., bears S. 46° W., 1.62 chs. dist.,
marked T 1 N R 2 W S 15 B T.
 A pinon, 8 ins. diam., bears N. 38° W., 11 lks. dist.,
marked T 1 N R 2 W S 10 B T.
- Land, mountainous,
Soil, rocky, 3rd. rate.
Timber, cedar and pinon.
Mountainous land and dense undergrowth or heavily
timbered on 80.00 chs.
- October 29: At this cor. I set off 13° 14' S. on decl. arc;
and at 11h. 44m., a.m., l.m.t., observe the sun on the
meridian, the resulting lat. is 40° 30' N.

S. 89° 57' E., on a random line, bet. secs. 11 and 14.

- 40.00 Set temp. $\frac{1}{2}$ sec. cor.
80.14 Intersect N. and S. line, 3 lks. N. of the cor. of secs.
11-12-13 and 14.

Thence I run

N. 89° 56' W. on a true line,
Bet. secs. 11 and 14.

Ascend through heavy cedar and pinon timber.

- 2.00 Top of ridge, bears N.W. and S.E.
Descend.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS	
24.00	Begin abrupt descent, bears N. and S.
35.00	Leave timber, bears N. and S. Enter dense artemisia.
39.00	Foot of abrupt descent, bears N.W. and S.E. Wash, 75 lks. wide, 20 ft. deep, course S.E. Enter bottom of broad hollow, course S.E..
40.07	Set a trachyte stone, 16x10x6 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
52.00	Leave hollow, begin abrupt ascent, bears N.W. and S.E. Enter heavy cedar and pinon timber, bears N.W. and S.E.
80.14	The cor. of secs. 10-11-14 and 15. Land, mountainous. Soil, rocky on 67.14 chs., 3rd. rate. balance bottom land, 2nd. rate. Timber, cedar and pinon. Mountainous land, dense undergrowth or heavily timbered on 80.14 chs.

October 29, 1903.

October 30: At 8 a.m., l.m.t. I set off $40^{\circ}30'N.$ on lat. arc;
 $13^{\circ}27'S.$ on decl. arc; and determine a meridian with the solar
at the cor. of secs. 10-11-14 and 15.

Thence I run

N. $0^{\circ} 01'W.$, bet. secs. 10 and 11.

Over rocky land, ascend through heavy cedar and pinon
timber.

3.00	Top of spur, projects E. Begin abrupt descent.
12.00	Leave timber, bears N.W. and S.E. Enter dense artemisia, oak and service berry brush.
25.25	Bottom of ravine, 150 ft. deep, course S.E. Begin abrupt ascent.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

- 38.50 Top of spur, projects S.E.
Begin abrupt descent.
- 40.00 Set a sandstone, 20x12x8 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
Pits impracticable.
- 44.00 Enter scattering cedars.
- 55.50 Bottom of hollow, 100 ft. deep, course S.E.
Ascend.
- 58.50 Top of spur, projects S.E.
Begin abrupt descent.
- 70.00 Foot of abrupt descent, bears N.W. and S.E.
Leave timber.
Over level land in bottom of broad hollow course S.E.
- 80.00 Set a sandstone, 18x9x5 ins., 12 ins. in the ground, for cor. of secs. 2-3-10 and 11, marked with 5 notches on S. and 2 notches on E.edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
Pits impracticable.
Land, mountainous.
Soil, rocky on 70.00 chs., 3rd.rate.
balance bottom land, 2nd.rate.
Timber, cedar and pinon.
Mountainous land, dense undergrowth or heavily timbered on 80.00 chs.

S.89° 56'E., on a random line, bet. secs. 2 and 11.

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.16 Intersect N. and S.line, 3 lks.S. of the cor. of secs. 1-2-11 and 12.
Thence I run
N.89°57'W., on a true line,
Bet. secs. 2 and 11.

Map 100-1000 feet, section 10, sec. 2, 1/4 mile N. of the 1/4 mile point

SUBDIVISIONS OF T.I. N., R.2 W.

CHAINS	Over rocky land, ascend through dense artemisia, oak and service berry brush.
40.08	Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on N.face, and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, N.of cor. Pits impracticable.
50.00	Top of ridge, bears N.and S. Begin abrupt descent. Enter heavy cedar and pinon timber, bears N.and S.
57.50	Bottom of ravine, 150 ft. deep, course S.W. Begin abrupt ascent.
67.00	Top of spur, projects S. Begin abrupt descent.
75.00	Foot of abrupt descent, bears N.W.and S.E. Leave timber, bears N.W.and S.E. Enter bottom of broad hollow, course S.E. Over level land.
76.00	Wash, 50 lks.wide, 10 ft.deep, course S.E.
80.16	The cor.of secs.2-3-10 and 11. Land,mountainous. Soil,rocky on 75.00 chs., 3rd.rate. balance,bottom land,2nd.rate. Timber,cedar and pinon. Mountainous land,dense undergrowth or heavily timbered on 80.16 chs.
	October 30: At this cor., I set off $13^{\circ} 34' S.$ on decl.arc; and at 11h.44m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ} 31' N.$

Knowing the line betsecs.2 and 3 will not close within limits on the N.bdy.of the Tp., I run
 . $N.0^{\circ} 01' W.$, on a true line,
 Betsecs.2 and 3.

Over level land in bottom of hollow,through dense

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

artemisia.

10.50 Wash, 30 lks. wide, 10 ft. deep, course S.E.

16.00 Leave bottom of hollow.

Begin abrupt ascent over rocky land, bearing N.W. and S.E.

Enter heavy cedar and pinon timber, bears N.W. and S.E.

25.00 Top of abrupt ascent, bears N.W. and S.E. Gradual ascent.

Leave heavy timber, bears N.W. and S.E.

Enter scattering cedars and service berry brush.

36.50 Leave timber.

40.00 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

76.64 Intersect N.bdy. of Tp., 2.67 chs. W. of the cor. of secs.

2-3-34 and 35, heretofore described.

Set a trachyte stone, 18x18x4 ins., 12 ins. in the ground, for closing cor. of secs. 2 and 3, marked C C on S., with 2 grooves on E. and 4 grooves on W. faces, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

Pits impracticable.

I destroy all marks on the cor. of secs. 2-3-34 and 35, that pertain to T. 1 N., R.2 W.

Land, rolling.

Soil, bottom land on 16.00 chs., 2nd. rate.

balance, rocky, 3rd. rate.

Timber, cedar and pinon.

Heavily timbered or dense undergrowth on 76.64 chs.

October 30, 1903.

October 31: At 8 a.m., 1.m.t., I set off $40^{\circ} 26' N.$ on lat. arc; $13^{\circ} 49' S.$ on decl. arc; and determine a meridian with the solar, at the base line cor. of secs. 33 and 34, heretofore described, on the Uintah Special Base Line.

Thence I run

SUBDIVISIONS OF T.L.N., R.2 W.

CHAINS	
	N.0° 02'W., bet. secs. 33 and 34.
	Over rocky land, descend through dense artemisia.
29.00	Enter scattering cedar and pinon timber.
40.00	Set a trachyte stone, 24x12x6 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which A cedar, 8 ins. diam., bears N.81°W., 20 lks. dist., marked $\frac{1}{4}$ S 33 B T. A cedar, 6 ins. diam., bears S.43°E., 14 lks. dist., marked $\frac{1}{4}$ S 34 B T.
42.00	Leave timber, enter dense greasewood brush.
58.50	Spring branch, 2 lks. wide, in bottom of hollow, 100 ft. deep, course S.E.
	Ascend.
	Enter heavy cedar and pinon timber, bears N.W. and S.E.
80.00	Set a trachyte stone, 18x14x6 ins., 12 ins. in the ground, for cor. of secs. 27-28-33 and 34., marked with 1 notch on S. and 3 notches on E. edges, from which A cedar, 4 ins., diam., bears N.6°E., 82 lks. dist., marked T 1 N R 2 W S 27 B T. A cedar, 6 ins. diam., bears S.6°E., 1.11 chs. dist., marked T 1 N R 2 W S 34 B T. A cedar, 6 ins. diam., bears S.6°W., 55 lks. dist., marked T 1 N R 2 W S 33 B T. A cedar, 6 ins. diam., bears N.19°W., 62 lks. dist.. marked T 1 N R 2 W S 28 B T.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	Timber, cedar and pinon.
	Heavily timbered or dense undergrowth on 80.00 chs.
40.00	East, on a random line, bet. secs. 27 and 34. Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 26-27-34 and 35.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

Thence I run.

S.89° 58'W., on a true line,

Bet. secs. 27 and 34.

Over rocky land, descend through dense artemisia.

16.50 Bottom of hollow, 100 ft. deep, course N.

Ascend.

23.00 Top of spur, projects N.

Begin abrupt descent.

27.00 Foot of abrupt descent, bears N. and S., leave rocky land.

Enter level land.

33.00 Wash, 30 lks. wide, 20 ft. deep, course S.

40.04 Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, and raise a mound of st ne
2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

41.00 Leave level land, bears N. and S.

Ascend over rocky land.

60.00 Top of ridge, bears N. and S.

Enter scattering cedar and pinon timber.

Descend.

80.08 The cor.of secs. 27-28-33 and 34.

Land, rolling.

Soil, rocky on 66.08 chs., 3rd, rate.

sandy loam on 14.00 chs., 2nd, rate.

Timber, scattering cedar and pinon.

Dense undergrowth on 80.08 chs.

N.0° 02'W., bet. secs. 27 and 28.

Over rocky land, ascend through dense artemisia.

10.00 Enter heavy cedar and pinon timber, bears E. and W.

40.00 Set a trachyte stone, 20x10x10 ins., 15 ins. in the ground,
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, from which

A cedar, 8 ins. diam., bears N.30°W., 61 lks. dist.,
marked $\frac{1}{4}$ S 28 B T.

SUBDIVISIONS OF T. 1 N., R. 2 W.

CHAINS	A cedar, 8 ins. diam., bears S.56°E., 38 lks. dist., marked $\frac{1}{4}$ S 27 B T.
51.00	Top of ridge bears N.W. and S.E. Descend.
59.00	Head of hollow, course S.E. Ascend.
71.00	Top of ridge bears N.W. and S.E. Descend.
72.25	Wagon road bears S.E. and N.W.
80.00	Set a trachyte stone, 20x10x6 ins., 15 ins. in the ground, for cor. of secs. 21-22-27 and 28, marked with 2 notches on the S. and 3 notches on the E. edge; from which A cedar, 6 ins. diam., bears N.12°E., 61 lks. dist., marked T 1 N R 2 W S 22 B T. A cedar, 9 ins. diam., bears S.37°E., 6 lks. dist., marked T 1 N R 2 W S 27 B T. A pinon, 4 ins. diam., bears S.47°W., 28 lks. dist., marked T 1 N R 2 W S 28 B. T. A cedar, 10 ins. diam., bears N.10°W., 43 lks. dist., marked T 1 N R 2 W S 21 B T. Land, rolling. Soil, rocky, 3rd. rate. Timber, cedar and pinon. Heavily timbered or dense undergrowth on 80+00 chs. October 31: At this cor. I set off 13°54' S. on decl. arc; and at 11h.44m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 40°28' N.
40.00	N.89°58'E., on a random line, bet. secs. 22 and 27. Set temp. $\frac{1}{4}$ sec. cor.
30.02	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 23-23-26 and 27. Thence I run. N.89° 59'W., on a true line,

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

Bet. secs. 22 and 27.

Descend through dense artemisia.

6.75 Bottom of hollow, 100 ft. deep, course S.

Ascend.

15.00 Top of ridge, bears N. and S.

Descend.

Enter heavy cedar and pinon timber, bears N. and S.

19.00 Bottom of hollow, 100 ft. deep, course S.W.

Ascend.

23.00 Top of spur, projects S.

Descend.

29.25 Leave timber, bears N.W. and S.E.

36.10 Bottom of hollow, 100 ft. deep, course S.

Ascend.

40.01 Set a sandstone, 18x10x6 ins., 12 ins in the ground, for
1/4 sec.cor., marked $\frac{1}{4}$ on N. face, from whichA cedar, 6 ins. diam., bears N. 61° E., 1.44 chs. dist.,
marked $\frac{1}{4}$ S 23 B T.A cedar, 6 ins. diam., bears S. 39° E., 2.05 chs. dist.,
marked $\frac{1}{4}$ S 27 B T.

43.00 Enter heavy cedar and pinon timber, bears N. and S.

59.00 Top of ridge, bears N. and S.

Descend.

64.00 Bottom of hollow, 100 ft. deep, course S.

Ascend.

68.00 Top of spur, projects S.

Descend.

Leave timber, bears N. and S.

71.00 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

78.00 Enter heavy cedar and pinon timber, bears N. and S.

80.02 The cor. of secs. 21-22-27 and 28.

Land, mountainous.

Soil, rocky, 3rd. rate.

SUBDIVISIONS OF T.L.N., R.2 W.

CHAINS	Timber, cedar and pinon. Mountainous land and dense undergrowth or heavily timbered on .80.02 chs.
	N.0° 02'W., bet. secs. 21 and 22.
	Over rocky land, descend through heavy cedar and pinon timber.
13.00	Head of hollow, course E. Ascend.
27.00	Top of ridge, bears N.E. and S.W. Descend.
33.00	Leave timber, bears N.E. and S.W. Enter dense artemisia.
40.00	Set a sandstone, 20x13x10 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which A cedar, 6 ins. diam., bears N.32°W., 1.00 ch. dist., marked $\frac{1}{4}$ S 21 B T. A cedar, 8 ins. diam., bears S.82°E., 1.28 chs. dist., marked $\frac{1}{4}$ S 22 B T.
40.25	Bottom of hollow, 100 ft. deep, course S.W. Begin abrupt ascent.
42.00	Enter heavy cedar and pinon timber, bears E. and W.
54.00	Top of ridge, bears N.W. and S.E. Descend.
67.00	Head of hollow, course S.E. Begin abrupt ascent.
76.50	Top of rocky spur, projects S.E. Begin abrupt descent.
80.00	Set a sandstone, 24x10x6 ins., 18 ins. in the ground, for cor. of secs. 15-16-21 and 22, marked with 3 notches on S. and E. edges, from which A pinon, 15 ins. diam., bears N.58°E., 25 lks. dist., marked T 1 N R 2 W S 15 B T.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

A cedar, 10 ins. diam., bears S.66°E., 47 lks. dist., marked T 1 N R 2 W S 22 B T.

A pinon, 15 ins. diam., bears S.42°W., 78 lks. dist., marked T 1 N R 2 W S 21 B T.

A pinon, 8 ins. diam., bears N.18°W., 33 lks. dist., marked T 1 N R 2 W S 16 B T.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Mountainous land and dense undergrowth or heavily timbered on 80.00 chs.

October 31, 1903.

November 1: At 8 a.m., 1.m.t., I set off 40°29'N. on lat. arc; 14°08'S. on decl. arc; and determine a meridian with the solar, at the cor. of secs. 15-16-21 and 22.

Thence I run

S.89°, 59' E., on a random line, bet. secs. 15 and 22.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.10 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 14-15-22 and 23.

Thence I run

N.89°56'W., on a true line,

Bet. secs. 15 and 22.

Ascend through dense artemisia and oak brush.

9.75 Top of ridge, bears N.W. and S.E.

Descend.

13.00 Bottom of hollow, 100 ft. deep, course S.E.

Begin abrupt ascent.

Enter heavy cedar and pinon timber, bears N.W. and S.E.

22.00 Top of rocky ridge, bears N.W. and S.E.

Begin abrupt descent.

36.00 Bottom of ravine, 200 ft. deep, course S.

Begin abrupt ascent.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

40.05 Set a sandstone, 24x10x6 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, from which

A pinon, 15 ins.diam., bears N.80°W., 17 lks.dist., marked $\frac{1}{4}$ S 15 B T.

A cedar, 12 ins.diam., bears S.71°W., 12 lks.dist., marked $\frac{1}{4}$ S 22 B T.

49.00 Top of rocky spur, projects S.

Begin abrupt descent.

71.50 Bottom of ravine, 250 ft.deep, course S.E.

Begin abrupt ascent.

80.10 The cor.of secs.15-16-21 and 22.

Land, mountainous.

Soil, rocky, 3rd.rate.

Timber, cedar and pinon.

Mountainous land and dense undergrowth or heavily timbered on 80.10 chs.

N.0° 02'W., betsecs.15 and 16.

Over rocky land, descend abruptly through heavy cedar and pinon timber.

20.25 Bottom of ravine, 250 ft.deep, course S.E.

Begin abrupt ascent.

40.00 Set a sandstone, 20x10x8 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, from which

A pinon, 6 ins.diam., bears S.15°E., 36 lks.dist., marked $\frac{1}{4}$ S 15 B T.

A pinon, 6 ins.diam., bears S.79°W., 36 lks.dist., marked $\frac{1}{4}$ S 16 B T.

80.00 Set a trachyte stone, 18x12x5 ins., 12 ins. in the ground, for cor.of secs.9-10-15 and 16, marked with 4 notches on S. and 3 notches on E.edges, from which

A pinon, 15 ins.diam., bears N.39°E., 55 lks.dist., marked T 1 N R 2 W S 10 B T.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

A cedar, 6 ins. diam., bears S.66°E., 47 lks. dist., marked T 1 N R 2 W S 15 B T.

A pinon, 18 ins. diam., bears S.19°W., 18 lks. dist., marked T 1 N R 2 W S 16 B T.

A cedar, 12 ins. diam., bears N.21°W., 16 lks. dist., marked T 1 N R 2 W S 9 B T.

This cor. is set 300 ft. above bottom of ravine.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Mountainous land and heavily timbered on 80.00 chs.

November 1: At this cor. I set off 14°13'S. on decl. arc; and at 11h.44m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is 40°30'N.

S.89°56'E., on a random line, bet. secs. 10 and 15.

40.00 Set temp. $\frac{1}{2}$ sec.cor.

80.12 Intersect N. and S. line, 5 lks. S. of the cor. of secs.
10-11-14 and 15.

Thence I run

N.89° 58'W., on a true line,

Bet. secs. 10 and 15.

Over rocky land, ascend through heavy cedar and pinon timb.r.

16.50 Top of spur, projects S.E.

Descend.

23.00 Bottom of hollow, 75 ft. deep, course SIE.

Ascend.

32.50 Top of ridge, bears N.W. and S.E.

Leave heavy timber, bears N.W. and S.E., enter dense artemis'a and scattering timber.

39.60 Begin abrupt descent, bears N.W. and S.E.

40.06 Set a trachyte stone, 16x12x4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face, from which

SUPPLEMENT TO C.J. H., E.C. W.

- 10.00 Top of ridge, bears N. 45° E., 40 lbs. dist., marked w. S. 10 E. C.
- 10.00 Valley, 40 lbs. dist., bears S. 17° E., 55 lbs. dist., marked S. S. 15 E. C.
- 10.00 Bottom of hollow, 100 ft. deep, course S.E.
Bare, shrub, ascent.
- 10.00 Top of abrupt descent, bears N.W. and S.E.
Heavy timber.
- 10.00 Shrub, gravel ascent.
- 10.00 Top of ridge, bears N. and S.
Pine and.
- 10.00 Valley, shrub descent, bears N.W. and S.E.
Unter heavy cedar and pinon timber, bears N.W. and S.E.
- 10.10 The top of ridge, S-10-15 and 16.
Rocky, mountainous.
Soil, rocky, red, rate.
Timber, cedar and pinon.
Mountainous land and heavily timbered or dense
timber growth on 60-10 elev.

November 1, 1907.

Yesterday at 8 a.m., I set off 40°30' W. on 1st.
congratulations, on test, therefore determining a meridian with the
N. 10°, at the sum of elev. S-10-15 and 16.

At 10 A.M. I took N. 08° 20' W., bet. elev. 9 and 10.

This is after 1000', ascent abruptly through heavy cedar
and pine timber.

10.00 Top of ridge, ascent, bears N.W. and S.E.

10.00 Valley, 40 lbs. dist.,

S. 10 E. C. marked.

10.00 Valley, 40 lbs. dist., N. 45° E., 40 lbs. dist.,
marked w. S. 10 E. C. Cedar, soil rate a point of
elevation, 100 ft. elev., S. 10 E. C. 40 lbs.

SUBDIVISIONS OF T.V.1 N.M.R.3 W.

CHAINS

Pits impracticable.

80.00 Set a trachyte stone, 18x12x8 ins., 12 ins. in the ground, for cor. of secs. 3-4-9 and 10, marked with 5 notches on S. and 3 notches on E. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, rolling.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Heavily timbered or dense undergrowth on 80.00 chs.

S. $89^{\circ}58' E.$, on a random line, bet. secs. 3 and 10.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.94 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 3-3-10 and 11.

Thence I run

N. $89^{\circ}56' W.$, on a true line,

Bet. secs. 3 and 10.

Over level land, in bottom of hollow, through dense artemisia.

4.00 Leave bottom of hollow, bears N.W. and S.E.

Ascend over rocky land.

11.00 Enter scattering cedar and pinon timber.

18.00 Leave timber.

39.97 Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

57.00 Top of ridge, 300 ft. above sec. cor., bears N. and S.

Descend.

79.94 The cor. of secs. 3-4-9 and 10.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

DEFINITION OF T.L.Y., R.S.T.

SIGHTING

Mountainous land and dense undergrowth on 79.84 chs.

November 2: At this cor. I set off 14°35' S. on decl. arc; and at 11h.45m., a.m., L.M.T., observe the sun on the meridian, the resulting lat. is 40°51' W.

Knowing the line bet. secs. 3 and 4 will not close within limits on the N.bdy. of the Tp., I run

N.0° 02' W., on a true line,

Bet. secs. 3 and 4.

Over rocky land, ascend through dense artemisia, oak and service berry brush.

50.00 Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground, for 1 sec. cor., marked $\frac{1}{2}$ on W. face, and raise a mound of stone, 2 ft. high, $1\frac{1}{2}$ ft. high, " of cor.
Pits impracticable.

76.51 Intersect N.bdy. of Tp., 2.66 chs.W. of the cor. of secs. 3-4-33 and 34, heretofore described.

Set a trachyte stone, 20x8x5 ins., 15 ins. in the ground, for closing cor. of secs. 3 and 4, marked with C C on S., and 3 crosses on E. and " faces, and raise a mound of stone, 2 ft. high, 1 ft. high, " of cor.
Pits impracticable.

I destroy all marks on the cor. of secs. 3-4-33 and 34, that certain to T.L.Y., " " ".

Leave, running.

" N.E. ridge, S.E. ridge, "

" " " bottom,

" " " in company on 76.51 chs.

November 2, 1907.

November 2/1907, L.M.T., I set off 40°51' W. on decl. arc; 11h.45m., to determine and determine a variation with the water, the station being bet. of secs. 33 and 34, heretofore described, also the N.E. ridge, S.E. ridge, " bottom,

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

Thence I run

N.0° 02'W., bet. secs.32 and 33.

Ascend over rocky land.

3.50 Enter heavy cedar and pinon timber, bears N.W. and S.E.

7.00 Top of ridge, bears N.W. and S.E.

Descend.

18.00 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

35.00 Top of ridge, bears N.W. and S.E.

Descend.

40.00 Set a trachyte stone, 18x8x6 ins., 12 ins. in the ground, for
 $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, from which

A cedar, 5 ins. diam., bears S.9°E., 1.15 chs. dist.,
 marked $\frac{1}{4}$ S 33 B T.

A cedar, 8 ins. diam., bears S.22°W., 80 lks. dist.,
 marked $\frac{1}{4}$ S 32 B T.

72.25 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

78.00 Top of spur, projects S.E.

Descend.

80.00 Set a trachyte stone, 24x18x10 ins., 18 ins. in the ground,
 for cor.of secs.28-29-32 and 33, marked with 1 notch on S.
 and 4 notches on E.edges, from which

A cedar, 12 ins. diam., bears N.52°E., 61 lks. dist.,
 marked T 1 N R 2 W S 28 B T.

A cedar, 5 ins. diam., bears S.67°E., 37 lks. dist.,
 marked T 1 N R 2 W S 33 B T.

A pinon, 5 ins. diam., bears S.87°W., 54 lks. dist.,
 marked T 1 N R 2 W S 32 B T.

A pinon, 6 ins. diam., bears N.88°W., 52 lks. dist.,
 marked T 1 N R 2 W S 29 B T.

Land, rolling.

Soil, rocky, 3rd.rate.

Timber, cedar and pinon.

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS	Heavily timbered on 76.50 chs.
	East, on a random line, bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 27-28-33 and 34. Thence I run S. $89^{\circ}57'W.$, on a true line, Bet. secs. 28 and 33. Descend through heavy cedar and pinon timber.
14.00	Leave timber, bears N.W. and S.E. Enter dense artemisia.
31.25	Spring branch, 2 lks. wide, in bottom of hollow, 100 ft. deep, course S.E. Ascend.
30.00	Top of ridge, bears N.W. and S.E. Descend. Enter scattering cedar and pinon timber.
39.60	Leave timber.
40.02	Set a trachyte stone, 20x7x7 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which A cedar, 8 ins. diam., bears N. $38^{\circ}E.$, 47 lks. dist., marked $\frac{1}{4}$ S 28 B.T. A cedar, 7 ins. diam., bears S. $52^{\circ}E.$, 1.03 chs. dist., marked $\frac{1}{4}$ S 33 B.T.
72.50	Bottom of hollow, 50 ft. deep, course S.E. Ascend. Enter heavy cedar and pinon timber, bears N.W. and S.E.
80.04	The cor. of secs. 28-29-32 and 33. Land, rolling. Soil, rocky, 3rd. rate. Timber, cedar and pinon. Heavily timbered or dense undergrowth on 80.04 chs.

SUBDIVISIONS OF T.1.N., R.2.W.

CHAINS

N.0° 02'W., bet. secs. 28 and 29.

Over rocky land, descend through heavy cedar and pinon timber.

5.50 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

16.75 Top of spur, projects S.E.

Descend.

19.50 Bottom of hollow, 100 ft. deep, course S.E.

Ascend.

25.00 Top of ridge, bears N.W. and S.E.

Descend.

40.00 Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for
sec. cor., marked $\frac{1}{2}$ on W. face, from whichA cedar, 8 ins. diam., bears N.64°E., 65 lks. dist.,
marked $\frac{1}{4}$ S 28 B T.A cedar, 8 ins. diam., bears N.76°W., 69 lks. dist.,
marked $\frac{1}{4}$ S 29 B T.78.00 Wash, 20 lks. wide, 10 ft. deep, in bottom of hollow, 50 ft. deep,
course S.E.

Leave timber, bears N.W. and S.E.

Enter dense artemisia.

Ascend.

80.00 Set a trachyte stone, 18x10x8 ins., 12 ins. in the ground,
for cor. of secs. 20-21-28 and 29, marked with 2 notches on S.
and 4 notches on E. edges, from whichA cedar, 12 ins. diam., bears N.70°E., 58 lks. dist.,
marked T 1 N R 3 W S 21 B T.A cedar, 8 ins. diam., bears S.55°W., 52 lks. dist.,
marked T 1 N R 2 W S 29 B T.A cedar, 8 ins. diam., bears N.56°W., 1.31 chs. dist.,
marked T 1 N R 2 W S 20 B T.No other trees within limits, and raise a mound of stone,
2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, rolling.

SUBDIVISIONS OF T.L.N., R.2 W.

CHAINS	Soil, rocky, 3rd. rate...
	Timber, cedar and pinon.
	Heavily timbered or dense undergrowth on 80.00 chs.
	November 3: At this cor. I set off $14^{\circ}52' S.$ on decl. arc; and at 11h.44m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}28' N.$
	<hr/>
	N. $89^{\circ}57' E.$, on a random line, bet. secs. 21 and 28.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.06	Intersect N. and S. line, 12 lks. N. of the cor. of secs. 21-22-27 and 28.
	Thence I run
	N. $89^{\circ}58' W.$, on a true line,
	Bet. secs. 21 and 28.
	Over rocky land, ascend through heavy cedar and pinon timber.
4.50	Top of ridge, bears N. and S.
	Descend.
8.00	Wagon road, bears N.W. and S.E.
18.00	Begin abrupt descent bears N. and S.
24.00	Leave timber, bears N. and S.
	Foot of abrupt descent, bears N. and S.
	Over level bottom land, through dense artemisia and grease wood brush.
25.00	Wash, 2.00 chs. wide, 50 ft. deep, course S.
40.03	Set a sandstone, 18x12x8 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
45.00	East side of wash, bears N.W. and S.E.
47.50	Spring branch, 2 lks. wide, in bottom of wash, 75 ft. deep, course S.E.
51.00	West side of wash, bears N.W. and S.E.
80.06	The cor. of secs. 20-21-28 and 29

SUBDIVISIONS OF T.L. N., R.2 W.

CHAINS

Land, mountainous and bottoms.

Soil, rocky on 24.00 chs., 3rd. rate.

balance bottom land, 2nd. rate.

Timber, cedar and pinon.

Mountainous land and heavily timbered or dense undergrowth on 80.06 chs.

N.0° 08'W., bet. secs. 20 and 21.

Ascend gradually through dense artemisia and grease wood brush.

8.00 Enter scattering cedar and pinon timber.

9.00 Wagon road, bears N.W. and S.E.

40.00 Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which

A cedar, 10 ins. diam., bears S.36°E., 2.65 chs. dist., marked $\frac{1}{4}$ S 21, B.T.

A cedar, 5 1/2 ins. diam., bears N.44°W., 1.20 chs. dist., marked $\frac{1}{4}$ S 20 B.T.

47.50 South side of wash, bears N.W. and S.E.

50.00 Spring branch, 2 lks. wide in bottom of wash, 50 ft. deep, course S.E.

52.50 North side of wash, bears N.W. and S.E.

66.00 Begin abrupt ascent over rocky land, bears E. and W.

Enter heavy cedar and pinon timber, bears N.W. and S.E.

80.00 Set a sandstone, 24x7x7 ins., 18 ins. in the ground, for cor. of secs. 16-17-20 and 21, marked with 3 notches on S. and 4 notches on E. edges, from which

A cedar, 5 ins. diam., bears N.11°E., 21 lks. dist., marked T 1 N R 2 W S 16 B.T.

A cedar, 5 ins. diam., bears S.19°E., 47 lks. dist., marked T 1 N R 2 W S 21 B.T.

A cedar, 6 ins. diam., bears S.41°W., 31 lks. dist., marked T 1 N R 2 W S 20 B.T.

A cedar, 8 ins. diam., bears N.59°W., 12 lks. dist., marked

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINING

T 1 N R 2 W S 17 B T.

Land, rolling.

Soil, sandy loam on 66.00 chs., 2nd. rate.

balance rocky, 3rd. rate.

Timber, cedar and pinon.

Dense undergrowth or heavily timbered on 80.00 chs.

November 3, 1903.

November 4: At 8 a.m., l.m.t., I set off $40^{\circ}29'N.$ on lat. arc; $15^{\circ}05'S.$ on decl. arc; and determine a meridian with the solar, at the cor. of secs. 16-17-20 and 21.

Thence I run

S. $89^{\circ}58'E.$, on a random line, bet. secs. 16 and 21.40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect. N. and S. line, 3 lks. N. of the cor. of secs.

15-16-21 and 22,

Thence I run

N. $89^{\circ}57'W.$, on a true line,

Bet. secs. 16 and 21.

Over rocky land, ascend abruptly through heavy cedar and pinon timber.

3.50 Top of ridge, bears N.W. and S.E.

Begin abrupt descent.

27.00 Bottom of ravine, 250 ft. deep, course S.

Begin abrupt ascent.

34.75 Top of spur, projects S.

Descend.

40.05 Set a sandstone, 18x10x10 ins., 12. ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on N. face, from whichA pinon, 4 ins. diam., bears N. $27^{\circ}W.$, 7 lks. dist., marked $\frac{1}{4}$ S 16 B T.A cedar, 8. ins. diam., bears S. $32^{\circ}E.$, 62 lks. dist., marked $\frac{1}{4}$ S 21 B T.

48.00 Bottom of ravine, 200 ft. deep, course S.

Begin abrupt ascent.

SUBDIVISIONS OF T.1 N., R.3 W.

CHAINS

- 54.50 Top of rocky spur, projects S.
Begin abrupt descent.
- 65.50 Bottom of ravine, 300 ft. deep, course S.
Begin abrupt ascent.
- 80.10 The cor. of secs. 16-17-20 and 21.
Land, mountainous.
Soil, rocky, 3rd. and 4th. rate.
Timber, cedar and pinon.
Mountainous land and heavily timbered on 80.10 chs.
November 4: At this cor. I set off 15°10' S. on decl. arc; and
at 11h.44m., a.m., l.m.t., observe the sun on the meridian,
the resulting lat. is 40°29' N.

N.0° 02' W., bet. secs. 16 and 17.

- Over rocky land, ascend abruptly through heavy cedar and pinon timber.
- 7.50 Top of ridge, bears N.E. and S.W.
Begin abrupt descent.
- 39.50 Leave timber, bears N.E. and S.W.
Enter dense artemisia.
- 40.00 Set a sandstone, 18x12x8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which
A pinon, 5 ins. diam., bears N.89°E., 48 lbs. dist.,
marked $\frac{1}{4}$ S 16 B T.
A cedar, 4 ins. diam., bears S.43°W., 81 lbs. dist.,
marked $\frac{1}{4}$ S 17 B T.
- 46.00 Enter dense oak and service berry brush and scattering cottonwood timber.
- 48.00 Spring branch, 2 lbs. wide, in ravine 200 ft. deep, course S.W.
Ascend along west side of ravine.
- 62.00 Leave timber.
- 80.00 Set a trachyte stone, 16x12x10 ins., 11 ins. in the ground, for cor. of secs. 8-9-16 and 17, marked with 4 notches on S.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

and E.edges, from which

A cottonwood, 8 ins. diam., bears N.73°E., 1.68 chs. dist.
marked T 1 N R 2 W S 9 B T.

A cottonwood, 8 ins. diam., bears S.74°E., 1.30 chs. dist.,
marked T 1 N R 2 W S 16 B T.

No other trees with in limits, and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar, pinon and cottonwoods.

Mountainous land, dense undergrowth or heavily
timbered on 30.00 chs.

S.89°57'E., on a random line, bet. secs. 9 and 16.

40.00 Set temp. $\frac{1}{2}$ sec. cor.80.12 Intersect N. and S. line, 3 lks. S. of the cor. of secs.
9-10-15 and 16.

Thence I run

N.89°58'W., on a true line,

Bet. secs. 9 and 16.

Over rocky land, descend through heavy cedar and pinon
timber.

11.75 Bottom of hollow, 100 ft. deep, course S.W.

Ascend.

16.50 Top of spur, projects S.

Descend.

30.25 Head of hollow, course S.

Ascend.

38.00 Top of ridge, bears N.E. and S.W.

Descend.

40.06 Set a sandstone, 18x7x5 ins., 12 ins. in the ground, for $\frac{1}{4}$
sec. cor., marked $\frac{1}{4}$ on N. face, from which

A cedar, 4 ins. diam., bears N.39°E., 28 lks. dist.,

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

marked $\frac{1}{4}$ S 9 B T.

A cedar, 8 ins. diam., bears S.20°W., 53 lks. dist.,

marked $\frac{1}{4}$ S 16 B T..

48.50 Head of hollow, course N.W.

Ascend.

53.00 Top of spur, projects N.W.

Begin abrupt descent.

72.00 Leave timber, bears N.E. and S.W.

Enter dense artemisia and service berry brush.

74.35 Bottom of ravine, 200 ft. below spur, course S.W.

Ascend.

76.00 Top of spur, projects S.

Descend..

Enter scattering cottonwood timber.

79.00 Spring branch, 2 lks. wide in bottom of ravine, 250 ft. deep, course S.

Ascend.

Leave timber.

80.12 The cor. of secs. 8-9-16 and 17.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar, pinon and cottonwoods.

Mountainous land, heavily timbered or dense undergrowth on 80.12 chs.

November 4, 1903.

November 5: At 8 a.m., l.m.t., I set off 40°30'N. on lat. arc; 15°24'S. on decl. arc; and determine a meridian with the solar, at the cor. of secs. 8-9-16 and 17.

Thence I run

N.0°02'W., bet. secs. 8 and 9.

Ascend along bottom of ravine, course S., through dense artemisia, oak and service berry brush.

6.50 Spring branch, 2 lks. wide, course S.E.

SUBDIVISIONS OF T.L N., R.2 W.

CHAINS	
	Leave ravine, course S.E., begin abrupt ascent.
26.00	Enter heavy cedar and pinon timber, bears N.W. and S.E.
34.00	Top of abrupt ascent, 250 ft. above ravine, bears N.W. and S.E. Begin gradual ascent.
40.00	Set a trachyte stone, 15x10x8 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on W.face, from which A cedar, 8 ins. diam., bears N.16°E., 91 lks.dist., marked $\frac{1}{4}$ S 9 B.T... A cedar, 5 ins. diam., bears S.25°W., 38 lks.dist., marked $\frac{1}{2}$ S 8 B.T.
41.00	Leave timber, bears E. and W. Enter dense artemisia.
80.00	Set a trachyte stone, 15x10x10 ins., 10 ins. in the ground, for cor.of secs. 4-5-8 and 9, marked with 5 notches on S. and 4 notches on E.edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor. Pits impracticable. Land, mountainous and rolling. Soil, rocky, 3rd.rate. Timber, cedar and pinon. Mountainous land, heavily timbered and dense undergrowth on 80.00 chs.
40.00	S.89°58' E., on a random line, bet. secs. 4 and 9. Set temp. $\frac{1}{4}$ sec.cor.
80.06	Intersect N. and S.line, 7 lks.S. of the cor.of secs. 3-4-9 and 10. Thence I run
	S.89°59' W., on a true line, Bet. secs. 4 and 9.
	Over rocky land, descend through dense artemisia and oak brush.
40.03	Set a trachyte stone, 18x12x7 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on N.face, and raise a mound of.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.

Pits impracticable.

50.00 Begin abrupt descent, bears N. and S.

66.50 Bottom of ravine, 200 ft. deep, course S.

Begin abrupt ascent.

76.00 Top of ridge, bears N. and S.

Descend.

80.06 The cor. of secs. 4-5-8 and 9.

Land, mountainous.

Soil, rocky, 3rd. rate.

No timber.

Mountainous land and dense undergrowth on 80.06 chs.

November 5: At this cor. I set off $15^{\circ}29' S.$ on decl. arc; and at 11h.44m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}31' N.$

Knowing the line bet. secs. 4 and 5 will not close within limits on the N.bdy. of the Tp., I run

N. $0^{\circ} 02' W.$, on a true line,

Bet. secs. 4 and 5.

Over rocky land, ascend through dense artemisia, oak and service berry brush.

40.00 Set a trachyte stone, 20x15x4 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.

76.46 Intersect N.bdy. of Tp., 2.75 chs. W.of the cor. of secs. 4-5-32 and 33, heretofore described.

Set a trachyte stone, 24x12x6 ins., 18 ins. in the ground, for closing cor. of secs. 4 and 5, marked with C C on S., and 4 grooves on E. and 2 grooves on W.faces, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S.of cor.

Pits impracticable.

I destroy all marks on the cor. of secs. 4-5-32 and 33, that

SUBDIVISIONS OF T.L N., R.2 W.

CHAINS

pertain to T L N., R.2 W.
Land, rolling.
Soil, rocky, 3rd. rate.
No timber.
Dense undergrowth on 76.46 chs.

November 5, 1903.

November 6: At 8 a.m., l.m.t., I set off $40^{\circ}26'N$.on lat.arc;
 $15^{\circ}42'S$.on decl.arc; and determine a meridian with the solar,
at the base line cor.of secs.31 and 32, heretofore
described, on the Uintah Special Base Line.

Thence I run

$N.0^{\circ} 03'W.$, bet. secs.31 and 32.

Over rocky land, ascend along top of ridge, bearing N. and S.
through heavy cedar and pinon timber.

- 15.00 Leave ridge, bears N.W. and S.
Descend.
- 31.50 Leave timber, bears N.W. and S.E.
Enter dense artemisia.
- 39.00 Bottom of hollow, 100 ft. deep, course S.E.
Ascend.
- 40.00 Set a trachyte stone, $24 \times 10 \times 6$ ins., 18 ins. in the ground, for
 $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on W. face, and raise a mound of stone,
2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Pits impracticable.
- 45.00 Enter heavy cedar and pinon timber, bears N.W. and S.E.
- 49.25 Top of ridge, bears N.W. and S.E.
Descend.
- 75.00 Bottom of hollow, 100 ft. deep, course S.E.
Ascend.
- 80.00 Top of ridge, bears E. and W.
Set a trachyte stone, $18 \times 10 \times 8$ ins., 12 ins. in the ground, for
cor.of secs.29-30-31 and 32, marked with 1 notch on S. and
5 notches on E.edges, from which

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

A cedar, 8 ins. diam., bears N.8°E., 24 lks. dist., marked T 1 N R 2 W S 29 B T.

A cedar, 8 ins. diam., bears S.43°E., 29 lks. dist., marked T 1 N R 2 W S 32 B T.

A pinon, 6 ins. diam., bears S.55°W., 51 lks. dist., marked T 1 N R 2 W S 31 B T.

A cedar, 8 ins. diam., bears N.14°W., 26 lks. dist., marked T 1 N R 2 W S 30 B T.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Mountainous land and heavily timbered or dense undergrowth on 80.00 chs.

East, on a random line, bet. secs. 29 and 32.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line, 3 lks. S. of the cor. of secs. 28-29-32 and 33.

Thence I run

S.89°59'W., on a true line,

Bet. secs. 29 and 32.

Over rocky land, ascend through heavy cedar and pinon timber.

3.00 Top of ridge, bears N.W. and S.E.

Descend.

15.00 Bottom of hollow, 75 ft. deep, course S.E.

Ascend.

40.03 Top of ridge, bears N.W. and S.E.

Set a sandstone, 18x15x5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on N. face, from which

A pinon, 12 ins. diam., bears N.41°E., 40 lks. dist., marked $\frac{1}{4}$ S 29 B T.

A cedar, 5 ins. diam., bears S.72°W., 20 lks. dist., marked $\frac{1}{2}$ S 32 B T.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

49.00 Bottom of hollow, 50 ft. deep, course S.E.

Ascend.

61.00 Top of ridge, bears N.W. and S.E.

Descend.

70.00 Bottom of hollow, 100 ft. deep, course S.E.

Begin abrupt ascent.

74.00 Top of ridge, bears S.E. and W.

Thence ascend along top of ridge.

80.06 The cor. of secs. 29-30-31 and 32.

This cor. is situated 300 ft. above the cor. of secs.

28-29-32 and 33.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Mountainous land and heavily timbered on 80.06 chs.

November 6: At this cor. I set off $15^{\circ}47'$ S. on decl. arc; and at 11h. 44m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}27'N.$

West, on a random line, bet. secs. 30 and 31.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.94 Intersect W.bdy. of Tp., 12 lks.S. of the cor. of secs.

25-30-31 and 36, heretofore described.

Thence I run

$S.89^{\circ}55'E.$, on a true line,

Bet. secs. 30 and 31.

In bottom of broad hollow, course S.W., ascend gradually through dense artemisia.

8.00 Leave hollow, begin abrupt ascent over rocky land, bears N.E. and S.W.

Enter heavy cedar and pinon timber, bears N.E. and S.W.

20.00 Top of ridge, bears N. and S.

Descend.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

- 39.94 Set a trachyte stone, 20x12x10 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, from which
 A pinon, 6 ins.diam., bears N.45°E., 32 lks.dist.,
 marked $\frac{1}{4}$ S 30 B T.
 A pinon, 8 ins.diam., bears S.54°W., 5 lks.dist.,
 marked $\frac{1}{4}$ S 31 B T.
- 44.00 Begin abrupt descent, bears N.W. and S.E.
- 65.00 Head of hollow, 150 ft. below top of ridge, course S.E.
 Ascend.
- 72.00 Top of ridge, bears N.W. and E.
 Descend along top of ridge.
- 79.94 The cor.of secs.29-30-31 and 32.
 Land, mountainous.
 Soil, rocky, on 71.94 chs., 3rd.rate
 balance bottom land, 2nd.rate.
 Timber, cedar and pinon.
 Mountainous land and dense undergrowth or heavily
 timbered on 79.94 chs.

N.0° 03'W., bet. secs.29 and 30.

- Over rocky land, descend through heavy cedar and pinon
 timber.
- 4.50 Head of hollow, course E.
 Over broken, east slope, ascend.
- 40.00 Set a trachyte stone, 18x12x8 ins., 12 ins. in the ground, f r
 $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, from which
 A pinon, 8 ins.diam., bears S.68°E., 31 lks.dist.,
 marked $\frac{1}{4}$ S 29 B T.
 A pinon, 6 ins.diam., bears S.59°W., 63 lks.dist.,
 marked $\frac{1}{4}$ S 30 B T.
- 55.00 Top of ridge, bears N.W. and S.E.
 Descend.
- 80.00 Set a trachyte stone, 20x10x8 ins., 15 ins. in the ground,

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

for cor.of secs.19-20-29 and 30,marked with 2 notches on S.and 5 notches on E.edges,from which

A cedar,4 ins.diam.,bears N. 73° E.,40 lks.dist.,
marked T 1 N R 2 W S 20 B T.

A cedar,9 ins.diam.,bears S. 36° E.,66 lks.dist.,
marked T 1 N R 2 W S 29 B T.

A cedar,12 ins.diam.,bears S. 29° W.,45 lks.dist.,
marked T 1 N R 2 W S 30 B T.

A pinon,6 ins.diam.,bears N. 79° W.,6 lks.dist.,marked
T 1 N R 2 W S 19 B T.

Land,mountainous.

Soil,rocky,3rd.rate.

Timber,cedar and pinon.

Mountainous land and heavily timbered on 80,00 chs.

November 6,1903.

November 7: At 8 am.,l.m.t.,I set off $40^{\circ}28'N.$ on lat.arc;
16 $^{\circ}00'S.$ on decl.arc;and determine a meridian with the
solar,at the cor.of secs.19-20-29 and 30.

Thence I run

N. $89^{\circ}59'E.$,on a random line,betsecs.20 and 29.

40.00 Set temp. $\frac{1}{2}$ sec.cor.

80.02 Intersect N.and S.line,5 lks.N.of the cor.of secs.
20-21-28 and 29.

Thence I run

N. $89^{\circ}59'W.$,on a true line,

Betsecs.20 and 29.

Descend through dense artemisia and oak brush.

3.00 Wash,50 lks.wide,10 ft.deep,in bottom of hollow,50 ft.
deep,course S.E.

Ascend.

8.00 Enter heavy cedar and pinon timber,bears N.and S.

40.01 Set a trachyte stone,24x12x8 ins.,18 ins.in the ground,
for $\frac{1}{2}$ sec.cor.,marked $\frac{1}{2}$ on N.face,from which

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

A cedar, 6 ins. diam., bears N.6°W., 19 lks. dist., marked $\frac{1}{4}$ S 20 B.T.

A cedar, 7 ins. diam., bears S.52°W., 36 lks. dist., marked $\frac{1}{4}$ S 29 B.T.

80.02 The cor. of secs. 19-20-29 and 30.

Land, rolling.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Dense undergrowth or heavily timbered on 80.02 chs.

N.89°55'W., on a random line, bet. secs. 19 and 30.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.88 Intersect W.bdy. of Tp., 9 lks.S. of the cor. of secs. 19-24-25 and 30, heretofore described.

Thence I run

S.89°51'E., on a true line,

Bet. secs. 19 and 30.

Over rocky land, descend through dense artemisia.

3.50 Enter level, bottom land in bottom of broad hollow, course S.

10.00 Wash, 15 lks. wide, 10 ft. deep, course S.

Begin abrupt ascent over rocky land.

13.00 Enter heavy cedar and pinon timber, bears N. and S.

14.50 Top of ridge, bears N. and S.

Descend..

39.88 Set a sandstone, 24x18x12 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face, from which

A pinon, 10 ins. diam., bears N.65°W., 19 lks. dist., marked $\frac{1}{4}$ S 19 B.T.

A pinon, 12 ins. diam., bears S.32°W., 30 lks. dist., marked $\frac{1}{4}$ S 30 B.T.

44.00 Begin abrupt descent, bears N.W. and S.E.

79.88 The cor. of secs. 19-20-29 and 30.

Land, mountainous..

Soil, rocky, 3rd. rate. on 73.38 chs.

SUBDIVISIONS OF T.1. N., R.2 W.

CHAINS

balance, bottom land, 2nd. rate.
Timber, cedar and pinon.

Mountainous land, dense undergrowth or heavily timbered
on 79.88 chs.

November 7: At this cor., I set off 16°05' S. on decl. arc;
and at 11h.44m., a.m., l.m.t., observe the sun on the meridian,
the resulting lat. is 40°28' N.

N.0°03' W., bet. secs. 19 and 20.

Over rocky land, descend through heavy cedar and pinon
timber.

23.00 Leave timber, bears N.W. and S.E.

Enter dense artemisia, oak and service berry brush.

25.00 Bottom of hollow, 100 ft. deep, course S.E.

Enter scattering cottonwood timber.

Ascend.

27.30 Wagon road, bears N.W. and S.E.

Leave timber.

34.00 Enter heavy cedar and pinon timber, bears N.W. and S.E.

40.00 Set a trachyte stone, 20x10x8 ins., 15 ins. in the ground,
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which

A pinon, 6 ins. diam., bears N.68°E., 14 lks. dist.,
marked $\frac{1}{4}$ S. 30 B.T.

A pinon, 6 ins. diam., bears west, 5 lks. dist.,
marked $\frac{1}{4}$ S. 19 B.T.

50.00 Set a trachyte stone, 18x10x10 ins., 12 ins. in the ground,
for cor. of secs. 17-18-19 and 20, marked with 3 notches on
S. and 5 notches on E. edges, from which

A pinon, 10 ins. diam., bears N.4°E., 40 lks. dist.,
marked T 1 N R 2 W S 17 B.T.

A pinon, 12 ins. diam., bears S.87°E., 39 lks. dist.,
marked T 1 N R 2 W S 20 B.T.

A cedar, 6 ins. diam., bears S.54°W., 65 lks. dist.,
marked T 1 N R 2 W S 19 B.T.

A cedar, 6 ins. diam., bears N.53°W., 57 lks. dist., marked

SUBDIVISIONS OF T.L N., R.2 W.

CHAINS

T.L N.R 2 W.S 18 B.T.

This cor. is set 200 ft. above bottom of hollow.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar, pinon and cottonwoods.

Mountainous land and dense undergrowth or heavily timbered on 80.00 chs.

S.89°59' E., on a random line, bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.12 Intersect N. and S. line, 14 lks. N. of the cor. of secs. 16-17-20 and 21.

Thence I run

N.89°53' W., on a true line,

Bet. secs. 17 and 20.

Over rocky land, ascend through heavy cedar and pinon timber.

2.50 Top of rocky spur, projects S.W.

Begin abrupt descent.

12.75 Spring branch, 3 lks. wide in bottom of ravine, 200 ft. deep, course S.

Begin abrupt ascent.

40.06 Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which

A cedar, 15 ins. diam., bears N.53°E., 51 lks. dist.,

marked $\frac{1}{4}$ S 17 B.T.

A cedar, 18 ins. diam., bears S.77°W., 4 lks. dist.,

marked $\frac{1}{4}$ S 20 B.T.

71.00 Top of rocky spur, projects S.

Begin abrupt descent.

80.12 The cor. of secs. 17-18-19 and 20.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS	Mountainous land and heavily timbered on 80.12 chs. November 7, 1903.
	November 8: At 8 a.m., l.m.t., I set off $40^{\circ}29'N.$ on lat. arc; $16^{\circ}18'S.$ on decl. arc; and determine a meridian with the solar, at the cor. of secs. 17-18-19 and 20. Thence I run $11.89^{\circ}51'W.$, on a random line, bet. secs. 18 and 19.
40.00	Set. temp. $\frac{1}{4}$ sec. cor.
79.84	Intersect W.bdy. of Tp., 9 lks. N. of the cor. of secs. 13-18-19 and 24, heretofore described. Thence I run $S.89^{\circ}55'E.$, on a true line, Bet. secs. 18 and 19. Over rocky land, ascend through heavy cedar and pinon timber.
12.00	Top of ridge, bears N.W. and S.E. Begin abrupt descent.
30.00	Leave timber, bears N. and S. Enter dense willow brush and scattering young cottonwood timber.
36.25	Bottom of ravine, 250 ft. deep, course S.E. Ascend.
39.50	Leave willows and cottonwoods, bear N.W. and S.E. Enter dense artemisia.
39.84	Set a trachyte stone, $18 \times 10 \times 8$ ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which A cottonwood, 6 ins. diam., bears S. $79^{\circ}W.$, 42 lks. dist., marked $\frac{1}{4}$ S 19 B T. A cottonwood, 5 ins. diam., bears N. $73^{\circ}W.$, 28 lks. dist., marked $\frac{1}{4}$ S 18 B T.
45.00	Begin abrupt ascent through heavy cedar and pinon timber, bearing N.W. and S.E.
55.00	Top of abrupt ascent, bears N.W. and S.E.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

Over level land.

64.50 Begin abrupt descent, bears N. and S.

71.00 Leave timber, bears N. and S.

76.00 Bottom of ravine, 200 ft. deep, course S.

Begin abrupt ascent.

79.00 Enter heavy timber, bears N.E. and S.W.

79.84 The cor. of secs. 17-18-19 and 20.

Land, mountainous.

Soil, rocky, 3rd. rate.

Timber, cedar and pinon.

Mountainous land and dense undergrowth or heavily timbered on 79.84 chs.

N. 0° .03' W., bet. secs. 17 and 18.

Over steep, rocky, west slope, ascend through heavy cedar and pinon timber.

1.00 Leave timber, bears N.E. and S.W.

Enter dense artemisia, oak and service berry brush.

14.00 Top of spur, projects S.W.

Descend.

22.00 Bottom of hollow, 100 ft. deep, course S.W.

Begin abrupt ascent.

40.00 Set a trachyte stone, 16x12x5 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

43.00 Top of abrupt ascent, bears N.E. and S.W.

Begin gradual ascent.

80.00 Set a trachyte stone, 24x14x10 ins., 18 ins. in the ground, for cor. of secs. 7-8-17 and 18, marked with 4 notches on S. and 5 notches on E. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS	Soil, rocky, 3rd. rate. Timber, cedar and pinon. Mountainous land, heavily timbered or dense undergrowth on 20.00 chs. November 8: At this cor. I set off $16^{\circ}23' S.$ on decl. arc; and at 11h.44m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $40^{\circ}30' N.$
	S. $89^{\circ}53' E.$, on a random line, bet. secs. 8 and 17.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.04	Intersect N. and S. line, 9 lks. S. of the cor. of secs. 8-9-16 and 17. Thence I run N. $89^{\circ}57' W.$, on a true line, Bet. secs. 8 and 17! Over rocky land, ascend abruptly through dense artemisia, oak and service berry brush.
30.00	Top of ridge, 250 ft. above sec.cor., bears N. and S. Descend.
40.02	Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on N. face, and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
80.04	The cor. of secs. 7-8-17 and 18. Land, mountainous! Soil, rocky, 3rd. rate. No timber. Mountainous land, on 20.04 chs.
	N. $89^{\circ}55' W.$ on a random line, bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
70.72	Intersect " bdy. of Tp., 3 lks. N. of the cor. of secs. 7-12-13 and 18, heretofore described.

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

Thence I run

S. $89^{\circ}56' E.$, on a true line,

Bet. secs. 7 and 18.

Over rocky land, descend abruptly through dense artemisia, oak and service berry brush.

28.00 Bottom of ravine, 200 ft. deep, course S.

Begin abrupt ascent.

35.00 Top of abrupt ascent, bears N.W. and S.E.

Begin gradual ascent.

39.78 Set a trachyte stone, 18x10x6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.of cor.

Pits impracticable.

79.78 The cor.of secs. 7-8-17 and 18.

Land, mountainous.

Soil, rocky, 3rd.rate.

No timber.

Mountainous land and dense undergrowth on 79.78 chs.

November 8, 1903.

November 9: At 8 a.m., l.m.t., I set off $40^{\circ}30' N.$ on lat. arc; $16^{\circ}35' S.$ on decl.arc; and determine a meridian with the solar, at the cor.of secs. 7-8-17 and 18.

Thence I run

N. $0^{\circ} 05' W.$, bet. secs. 7 and 8.

Over rocky land, ascend through dense artemisia, scattering oak and service berry brush.

40.00 Set a trachyte stone, 20x12x10 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.

Pits impracticable.

80.00 Set a trachyte stone, 20x10x6 ins., 15 ins. in the ground, for cor.of secs. 5-6-7 and 8, marked with 5 notches on S. and E.edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS	
	ft. high, N. of cor.
	Pits impracticable.
	Land, rolling.
	Soil, rocky, 3rd. rate.
	No timber.
	Dense undergrowth on 80.00 chs.
	<hr/>
	S. 89° 57' E. on a random line, bet. secs. 5 and 8.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 12 lks. S. of the cor. of secs. 4-5-8 and 9.
	Thence I run
	S. 89° 58' W., bet. secs. 5 and 8.
	Over rocky land, descend through dense artemisia, oak and service berry brush.
15.00	Begin abrupt descent, bears N. and S.
23.00	Spring branch, 2 lks. wide, in bottom of ravine, 200 ft. deep, course S.
	Begin abrupt ascent.
34.00	Top of ridge, bears N. and S.
	Descend.
40.04	Set a trachyte stone, 18x10x6 ins., 13 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Pits impracticable.
80.08	The cor. of secs. 5-6-7 and 8.
	Land, mountainous.
	Soil, rocky, 3rd. rate.
	No timber.
	Mountainous land and dense undergrowth on 80.08 chs.
	November 9: At this cor. I set off 16° 40' S. on decl. arc; and at 11h.44m., a.m., 1.m.t., observe the sun on the meridian, the resulting lat. is 40° 31' N.
	<hr/>

SUBDIVISIONS OF T.1 N., R.2 W.

CHAINS

N. $89^{\circ}56'W.$, on a random line, bet. secs. 6 and 7.

40.00 Set temp. $\frac{1}{2}$ sec.cor.

79.62 Intersect W.bdy.of Tp., 3 lks.N. of the cor.of secs. 1-6-7 and 12, heretofore described.

Thence I run

S. $89^{\circ}57'E.$, on a true line,

Bet. secs. 6 and 7.

Over rocky land, descend abruptly through dense artemisia, oak and service berry brush.

3.50 Bottom of ravine, 150 ft. deep, course S.E.

Begin abrupt ascent.

8.00 Top of abrupt ascent, bears N.W. and S.E.

Over nearly level land.

15.50 Begin abrupt descent.

18.00 Hollow, 50 ft. deep, course S.W.

Ascend.

22.00 Top of spur, projects S.

Descend.

26.00 Bottom of hollow, 50 ft. deep, course S.W.

Begin abrupt ascent.

33.00 Top of abrupt ascent, bears N.E. and S.W.

Begin gradual ascent.

39.62 Set a trachyte stone, 16x12x4 ins., 11 ins. in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on N.face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Pits impracticable.

79.62 The cor.of secs. 5-6-7 and 8.

Land, rolling and mountainous.

Soil, rocky, 3rd.rate.

No timber.

Mountainous land and dense undergrowth on 79.62 chs.

CONTINUATION OF C. I. U., R.R. W.

C. I. U., R.R. W.

Following the line bet. secn. 5 and 6 will not close within limits of the N. half of the Tp., I run

1.00 cent., or a true line,

bet. secn. 5 and 6.

Over rocky land around through dense artemisia and scattered salt and service berry brush.

40.00 Set a trachyte stone, 18x18x5 ins., 12 ins. in the ground, for 1 cor. cor., marked $\frac{1}{2}$ on "face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, 2 of cor.

Pits impracticable.

"5.00 Intercept N. half of Tp., 2.81 chs. E. of the cor. of secn. 5-6-31 and 32, heretofore described.

Set a trachyte stone, 18x8x8 ins., 12 ins. in the ground, for closing cor. of secn. 5 and 6, marked C C on S., with 5 grooves on " and 1 groove on " faces, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, 3 of cor.

Pits impracticable.

I destroy all marks on the cor. of secn. 5-6-31 and 32, that certain to T. 1 N., R.R. W.

Land rolling.

Salt, rocky, eroded.

No timber.

Depth under earth in 2.82 chs.

November 9, 1903.

GENERAL DESCRIPTION

The surface is almost level on flat of the south, and on the flat of the mountain but the surface may be broken by small depressions with the exception of the south, which is relatively smooth for short distances.

The soil, with the exception of the bottom plain, is composed of material derived from uprooted vegetation, and is covered with a layer of gravelly soil 1 to 2 inches of

GENERAL DESCRIPTION OF T.1 N., R.2 W.

producing crops with irrigation.

The south half and north east quarter of the township is covered with a heavy growth of cedar and pinon timber, and the balance of the township is covered with a dense growth of undergrowth and nutritious grasses making this an excellent range.

This township is watered by a spring branch running through the western portion of the township, a spring in the south east $\frac{1}{4}$ of sec.14 and by several seeping springs along the breaks in secs.19-20-21 and 23, which cannot be locate from any line.

The road in this township is a wood road coming from Whiterocks, it follows the old Heber and Agency trail. There are no indications of mineral in this township. There are no settlers in this township.

Harvey D. T. Frist
U.S. DEPUTY SURVEYOR.

NOTE:

There being no notary public or other officer, within a reasonable distance, at the beginning or ending of this survey, in order to save time and expense I administer the preliminary and final oaths for surveys and resurveys under this contract, (No.266), myself.

Harvey D. T. Frist
U.S. DEPUTY SURVEYOR.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Harvey D Heist, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of Sub-

divisions of Tps. 1 N R.S. 2 - 3 - 5 - 6 W.
of the Uintah Special Base meridian in the state of Utah.
 showing the respective capacities in which they acted:

Earl Woolley, Chainman.

William Halquist, Chainman.

Alma Johnson, Moundman.

Harry Payne, Moundman.

Joseph Erickson, Axman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Harvey D Heist

, United States Deputy Surveyor, in surveying all
 those parts or portions of the Subdivisions of Tps. 1 N,
R.S. 2 - 3 - 5 - 6 W.

of the Uintah
Special Basend meridian, in the state of Utah, which are represented
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
 as been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 corner monuments established, according to the instructions furnished by the United States Surveyor
 General for Utah.

William Halquist, Chainman.

Earl Woolley, Chainman.

Alma Johnson, Moundman.

Harry Payne, Moundman.

Joseph Erickson, Axman.

, Flagman.

scribed and sworn to before me this 9
 day of November, 1903. }

Harvey D. Heist
U.S. Deputy Surveyor



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Harvey D. West, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for Utah, bearing date of 20 day of July, 1903, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of Subdivisions
of U.P.S. 1 N., R.S. 7 - 3 - 5 - 6 West.

I, Harvey D. West, Meridian, in the State of Utah, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Harvey D. West
United States Deputy Surveyor

Subscribed by said Harvey D. West, and sworn to before me
this 12th day of January, 1904.

○○○○○
O SEAL O
○○○○○

Edward H. Anderson
U.S. Surveyor General
for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah April 12, 1904 1904

The foregoing field notes of the survey of the Subdivisional lines of Townships 1 North, Range 2 West of the Thirtieth Special Base Meridian Utah

executed by Harvey D. West
under his contract No. 266, dated July 20, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in, has been correctly copied from the original notes on file in this office.

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Filed Aug. 3, 1904.

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A.
BOOK A-304

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FIELD NOTES

OF THE SURVEY OF THE

N-0-R-T-H B-0-U-N-D-A-R-Y

O-F

T-0-W-N-S-H-I-P N-0. 2 N-0-R-T-H

R-A-N-G-E- N-0. 2 W-E-S-T

Of the UTAH SPECIAL BASE AND Meridian,

U-T-A-H

AS SURVEYED BY

William Dallas, United States Deputy Surveyor,

under his Contract No. 267, dated July 20, 1903.

Survey commenced May 18, 1904.

Survey completed May 20, 1904.

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Aug 6-01-40

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BOOK A-304

NAMES AND DUTIES OF ASSISTANTS.

Wilfred B. Helme Chainman.

Chester Fleming Chainman,

Richard Hugh Camp Moundman,

Douglas King Axman

Thomas Sands Doty Flagman.

Volume

#

R0304

BOOK A-304

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Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, Wilfred B. Helme and Chester Fleming

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level + chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; + we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

the North Boundary of Tp. 2 N.R. 2 W. and West Bdy Tp. 5 N.R. 1 W. of
the Uintah Special Base and Meridian Utah

Wilfred B. Helme, Chainman

Chester A. Fleming, Chainman

Subscribed and sworn to before me this 18th
day of May, 1904 }



William Dallas

U.S. Deputy Surv.

WE, I Richard Hugh Camp

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given me, to the best of my skill and ability, in the survey

the North Boundary of Tp. 2 N.R. 2 W. and West Bdy Tp. 5 N.R. 1 W. of
the Uintah Special Base and Meridian Utah

Moundman

Richard Hugh Camp, Moundman

Subscribed and sworn to before me this 18th

day of May, 1904 }



William Dallas

U.S. Deputy Surveyor

WE, I Douglas King

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given me, to the best of our skill and ability, in the survey

the North Boundary of Tp. 2 N.R. 2 W. and West Bdy Tp. 5 N.R. 1 W. of
the Uintah Special Base and Meridian Utah

Axman

Douglas King, Axman

Subscribed and sworn to before me this 18th

day of May, 1904 }



William Dallas

U.S. Deputy Surveyor

I, Thomas Sands Doty

, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the North Boundary of Tp. 2 N.R. 2 W. and W bdy Tp. 5 N.R. 1 W.
of the Uintah Special Base and Meridian Utah

T. Sands Doty, Flagman

Subscribed and sworn to before me this 18th

day of May, 1904 }



William Dallas

U.S. Deputy Surv.

NORTH BOUNDARY OF T.2 N.R.2 W.

Survey commenced May 18, 1904, and executed with a W. and L.E. Gurley solar compass with telescope attachment; the horizontal limb having two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined and tested on the true meridian at Salt Lake City, Utah, found correct and was approved by the Surveyor General for Utah May 4, 1904.

I begin at the corner of Tps.2 and 3 N., Rs.1 and 2 W. of the Uintah Special Base and Meridian, Utah, which is a granite stone 5x14x6 ins. above ground, firmly set and marked and witnessed as described by Deputy James H. Martineau, under his contract No. 265, e. 222.

In order to test the solar apparatus by comparing the results of observations on the sun made during a.m. and p.m. hours with a true meridian determined by observations on Polaris I proceed as follows:

At 3 h.p.m.l.m.t. I set off $40^{\circ}37'$ on the lat. arc, $19^{\circ}37'$ N. on the declination arc, and mark the meridian thus determined with the solar by a cross on a post firmly set in the ground 5 chs. N. of the corner.

May 19, 1904, at 3 h.42 m.a.m. by my watch which is 4 min. fast of local mean time, I observe Polaris at eastern elongation in accordance with instructions in the Manual and mark the line thus determined by a tack driven in a wooden post set in the ground 5 chs. N. of my station.

At 8 h.a.m. I lay off the azimuth of Polaris $1^{\circ}34'$ to the west and mark the true meridian thus determined by cutting a mark on the post established yesterday on which the meridian falls 0.1 ins. E. of the mark determined by the solar.

At 8 h.15 m.a.m. I set off $40^{\circ}37'$ on the lat. arc $19^{\circ}47'$ N. on the declination arc, and mark the true meridian by cutting a mark in the post set yesterday on ~~which~~ which the

NORTH BOUNDARY OF T.2 N.R.2 W.

- Chains. meridian falls 0.3 ins.E. of the meridian established by the Polaris observation.
The solar apparatus by p.m. and a.m. observations defines positions for meridians about 0'5" W. and 0'10" E. of the meridian established by Polaris observation, therefore I conclude that the adjustments of the instrument are satisfactory.
The magnetic bearing of the meridian at 8 h.a.m. is N.16° 46'W., the angle thus determined gives the magnetic decl. 16°46'E.
May 19, 1904 at 9 h.0 m.a.m.l.m.t. I set off 40°37'N. on the lat.arc; 19°48'N. on the decl.arc, and determine a true meridian with the solar at the township corner above described.
Thence I run
West on a random line along the north boundary of Tp.2 N.R.2 W., setting temp. $\frac{1}{4}$ sec. corners at intervals of 40.00 chs., and at 481.40 chs. intersect the Tp..line 1.81 chs. N. of the cor.of secs.2 and 3 N.Rs:2 and 3 W., which is a quartzite stone 14x14x6 ins. above ground firmly set and marked and witnessed as described by Deputy Herman E. Freuderthal; under his contract No.268.
The falling answers to a correction of 0°13' or 30.2 lks. S.per mile counting from the NE cor. of the Tp., therefore I run
N.89°47'E. bet. secs.6 and 31
Marking and blazing true line.
Descend steep NE slope; through heavy pine timber 1100 ft.
41.40 Set a granite stone 20x12x8. ins. 15 ins. in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from which
A pine 10 ins. diam.bears N.12°00'W.30 lks.dist.
marked $\frac{1}{4}$ S 31 B T
A pine 12 ins. diam.bears S.38°15'E.8 lks.dist.
marked $\frac{1}{4}$ S 6 B T
Descend steep SE slope 800 ft.

NORTH-BOUNDARY OF T.2 N.R.2 W.

Chains

- 70.00 Creek 5 lks.wide 4 ins.deep, course SE;
Thence ascend SW slope.
- 76.00 Spur projects SE; descend NE slope 100 ft.
- 81.40 Set a granite stone 17x10x6 ins.11 ins.in the ground
for cor.of secs.5,6,31, and 32,marked with 1 notch on W.
and 5 notches on E.edges;from which
 A pine 5 ins.diam.bears N.43°15'E.7 lks.dist.
marked T 3 N R 2 W S 32 B T
 A pine 5 ins.diam.bears S.53°00'E.81 lks.dist.
marked T 2 N R 2 W S 5 B T
 A pine 4 ins.diam.bears S.61°00'W.20 lks.dist.
marked T 2 N R 2 W S 6 B T
 A pine 4 ins.diam.bears N.59°15'W.24 lks.dist.
marked T 3 N R 2 W S 31 B T
 Land mountainous.
 Soil rocky;3rd rate.
 Timber pine.
 Mountainous and heavily timbered land 81.40 chs.

May 19th,1904,at 2 h.00 m.p.m.l.m.t.I set off 40°37'N.
on the 1st.arc and 19°50'N.on the decl.arc, and deter-
mine a true meridian with the solar at the cor.of secs.
5,6,31, and 32;thence I run

North 89°47'E.botsecs 5 and 32

Descend NE slope 300 ft.through pine timber.

- 14.00 Ravine.course SE;ascend SW slope 200 ft.
- 28.00 Point of spur projects SE;descend E.slope 400 ft.
- 40.00 Set a granite stone 20x12x8 ins.15 ins.in the ground for
sec.cor.,marked $\frac{1}{2}$ on N.face;from which
 A pine 14 ins.diam.bears N.89°00'E.122 lks.dist.
marked $\frac{1}{2}$ S 32 B T
 A pine 8 ins.diam.bears S.30°00'W.100 lks.dist.
marked $\frac{1}{2}$ S 5 B T
 Descend E.slope 300 ft.

NORTH BOUNDARY OF T.2 N.R.2 E.

Chains	
45.00	Thence over bottom land; through dense underbrush.
54.90	Right bank of Uintah River course S.E.
56.00	Left bank of Uintah River course SE.
60.00	Slough 20 lks. wide 1 ft. deep, course SE.
69.00	Leave timber and brush bears NW and SE; ascend SW slope.
76.85	Road to Whitetocks bears NW and SE.
80.00	Set a granite stone 17x12x6 ins. 12 ins. in the ground for cor. of secs. 4, 5, 32, and 33, marked with 3 notches on W. and 4 notches on E. edges; and raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
	Land mountainous.
	Soil rocky; 3rd rate.
	Timber pine.
	Mountainous or heavily timbered land 80.00 chs.

North $89^{\circ}47' E.$ bet. secs. 4 and 33

30.00	Ascend rocky SW slope 400 ft.
38.50	Enter pine timber bears NW and SE.
40.00	Spur projects SW.; descend 40 ft. Set a granite stone 19x8x6 ins. 14 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A pine 6 ins. diam. bears $N.84^{\circ}30' W.$ 45 lks. dist. marked $\frac{1}{4} S. 33^{\circ} B. T.$ A pine 6 ins. diam. bears $S.62^{\circ}00' W.$ 152 lks. dist. marked $\frac{1}{4} S. 4^{\circ} B. T.$ Ascend SW slope 100 ft.
43.50	Point of spur projects SW; descend SE slope 50 ft.
45.00	Head of ravine course SW; ascend steep NW slope 350 ft.
57.00	Point of spur projects S.
62.00	Descent N. slope 60 ft.
67.00	Ravine course S.; ascend W. slope.
77.00	Point of spur projects S.

NORTH 50 M D R N R , W

Chains

Descend SE slope.

74.00 Head of ravine course SW; leave timber bears N. and S.

Ascend SW slope.

80.00 Set a granite stone 18x16x6 ins. 12 ins. in the ground for cor. of secs. 3, 4, 33, and 34, marked with 3. notches on W. and 3. notches on E. edges; and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

Land mountainous.

Soil rocky; 3rd rate.

Timber pine and aspen.

Mountainous or heavily timbered land 80.00 chs.

May 19th, 1904.

May 20th, at 8 h.00 m.a.m.l.m.t. I set off 40°37' on the lat. arc, 19°59' N. on the decl. arc and determine a true meridian with the solar at the cor. of secs. 3, 4, 33, and 34. Thence I run

N. 89°47' E. bet. secs. 3 and 34

Ascend SW slope

10.00 Top of divide between Uintah River and Pole Creek bears NW and SE; descend N. slope

22.00 Enter scattering pine and dense aspen timber bears N. and S.

40.00 Set a granite stone 16x15x6 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
A pine 16 ins. diam. bears N. 18°00' W. 70 lks. dist.

marked $\frac{1}{4}$ S 34 B T

An aspen 6 ins. diam. bears S. 48°30' W. 75 lks. dist.

marked $\frac{1}{4}$ S 3 B T

Descend E. slope

46.00 Ravine course SE; ascend SW slope.

52.00 Spur projects SE; descend E. slope 150 ft.

63.00 Pole Creek 30 lks. wide 2 ft. deep, course S.

Ascend W. slope.

NORTH. BOUNDARY OF T.2 N.R.2 W.

Chains.

- 66.00 Spur projects S.;descend E.slope.
- 80.00 Set a granite stone 18x9x6 ins.12 ins.in the ground,for cor.of secs.2,3,34, and 35,marked with 2 notches on E. and 4 notches on W.edges;and raised a mound of stone 2 ft.base 1½ ft.high W.of cor.;from which
 A pine 7 ins.diam.bears N.12°45'E.105 lks.dist.
 marked T 3 N R 2 W S 35 B T
 A pine 30 ins.diam.bears S.5°00'E.218 lks.dist.
 marked T 2 N R 2 W S 2 B T
 A pine 30 ins.diam.bears S.2°00'W.295 lks.dist.
 marked T 2 N R 2 W S 3 B T
 No other bearing trees within limits.
 From this sec.cor.,cave bears N.60°E.,5.00 chs.
 Land mountainous.
 Soil rocky;3rd rate.
 Timber pine and aspen.
 Mountainous or heavily timbered land 80.00 chs.

N.89°47'E.betsecs.3 and 35

Descend E.slope;through aspen thicket,40 ft.

- 1.00 Channel,dry,course S.;ascend W.slope 400 ft.
- 28.00 Leave aspen timber;enter heavy pine and cedar timber.
- 29.00 Spur projects NE;descend SE slope 300 ft.
- 40.00 Set a granite stone 16x10x5 ins.11 ins.in the ground for $\frac{1}{2}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
 A cedar 16 ins.diam.bears N.67°00'E.90 lks.dist.
 marked $\frac{1}{4}$ S 35 B T
 A pine 22 ins.diam.bears S.50°00'W.158 lks.dist.
 marked $\frac{1}{4}$ S 2 B T
 Descend SE slope 70 ft.
- 44.00 Creek 5 l.s.wide,4 ins.deep,course SW;ascend rocky NW slope 800 ft.
- 80.00 Set a granite stone 19x12x6 ins.14 ins.in the ground for cor.of secs.1,2,35, and 36,marked with 5 notches on

NORTH BOUNDARY OF TP. 2 N.R.2 W.

Chains.

W. and 1 notch on E. edge, from which

A pine 6 ins. diam. bears N.36°00'E. 21 lks. dist.

marked T 3 N R 2 W S 36 B T

A pine 8 ins. diam. bears S.42°45'E. 37 lks. dist.

marked T 2 N R 2 W S 1 B T

A pine 8 ins. diam. bears S.12°00' W. 25 lks. dist.

marked T 2 N R 2 W S 2 B T

A pine 8 ins. diam. bears N.55°00' W. 47 lks. dist.

marked T 3 N R 2 W S 35 B T

Land mountainous.

Soil rocky; 3r d rate.

Timber pine and aspen.

Mountainous or heavily timbered land 80.00 chs.

May 20th, 1904, at this cor. I set off 20°01' N. on the decl.

arc; and at 12 h.04 m.p.m.l.m.t. observe the sun on the

meridian; the resulting lat. is 40°36', which is within 1'

of the proper lat.

North 89°47'E. bet. secs. 1 and 36.

Ascend rocky NW slope 6 00 ft.; through pine timber.

28.00 Spur projects NE;

Descend SE slope 200 ft.

34.50 Head of ravine course S.

Ascend SW slope 100 ft..

40.00 Set a granite stone 16x11x8 ins. ll ins in the ground
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pine 8 ins. diam. bears N.71°30' W. 17 lks. dist.

marked $\frac{1}{2}$ S 36 B T

A pine 6 ins. diam. bears S.78°00' W. 34 lks. dist.

marked $\frac{1}{4}$ S 1 B T

Ascend steep SW slope 150 ft.

57.00 Point of spur projects SW.

Thence along rough S. slope.

80.00 Intersect the cor. of Tps. 2 and 3 N. Rgs. 1 and 2 W., here-

NORTH BOUNDARY OF TP. 2 N.R.2 W.

Chains. before described.

Land mountainous.

Soil rocky; 3rd rate.

Timber pine.

Mountainous or heavily timbered land 80.00 chs.

BOUNDARIES OF T.2 N.R.2 W.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Line designated	True Bearing	Dist. chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
E.bdy. T.2 N.R.2 W.	North	480.00	480.00	.....	.....	.....
N.Bdy. T.2 N.R.2 W.	N.89°47'E.	481.40	1.81	.....	481.40	.....
W.Bdy. T.2 N.R.1 W.	South	480.00	.....	480.00	.....	.....
N.B dy. T.1 N.R.2 W.	West	.....	.....	.....	.....	482.25
Convergency	.....	.....	.....	61	.....	.....
Totals	.....	481.81	480.00	482.01	482.25	482.01
Error in lat.	.....	1.81	.....	.....	.....	.....
Error in dep.	.....	.....	.....	.....	.....	.24

For general description see notes of subdivision of
T.2 north range 2 west.

William Dallas
U.S. Deputy Surveyor.

May 30, 1904.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.**LIST OF NAMES.**

A list of the names of the individuals employed by
..... United States Deputy Surveyor, to assist in running, measuring, and
taking the lines and corners described in the foregoing field notes of the survey of
..... giving the respective capacities in which they acted:

....., *Chairman.*
SPECIAL OFFICERS see book I. *F.G.D.P.W.*, *Moundman.*
....., *Moundman.*
....., *Arman.*
....., *Arman.*
....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

....., United States Deputy Surveyor, in surveying all
parts or portions of the

....., *of the*,
..... *meridian,* *line* of *which are represented*
in foregoing field notes as having been surveyed by him and under his direction; and that said survey
been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
er monuments established, according to the instructions furnished by the United States Surveyor
and for

....., *Chairman.*
SPECIAL OFFICERS see book I. *F.G.D.P.W.*, *Moundman.*
....., *Moundman.*
....., *Arman.*
....., *Arman.*
....., *Flagman.*

scribed and sworn to before me this }
day of 190 }

800000
800000

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, , United States Deputy Surveyor,
 solemnly swear that, in pursuance of a contract received from
 United States Surveyor General for , bearing date of ,
 day of , 190, I have well, faithfully, and truly, in my
 proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for , the Manual of Surveying Instructions, and the Instructions of the
 United States, surveyed all those parts or portions of

*Plat of land located in Section 12, T. 3 N. R. 12 E.,
 of the*

meridian, in the , United States, reported by the
 foregoing field notes as having been surveyed by me, and under my direction, at the date first above written,
 swear that all the corners of said survey have been established and proportioned in accordance with the
 Manual of Surveying Instructions, and the special written instructions, or of the United States Surveyor General for , and in the specific manner described in the field notes, so
 the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by me, , at the office of the Surveyor General,
 the day of , 190

W. H. Wallas
 W. H. Wallas
 W. H. Wallas

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

W. H. Wallas, July 12, 1903.
 The foregoing field notes of the survey of *The North Boundary of
 Township 3, Section 12, West of the First
 Principal Meridian, Idaho*

executed by , dated , 1903, having been
 under his contract No. 267, dated , 1903, having been
 critically examined, and the necessary corrections and explanations made, the said field notes, and the
 surveys they describe, are hereby approved.

W. H. Wallas, July 12, 1903.
 United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in , has been correctly copied from the original notes on file in this office.

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R.M.A.
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BOOK A-304

B.

FIELD NOTES

OF THE SURVEY OF THE

S-U-B-D-I-V-L-S-I-O-N L-I-N-E-S

O-F

T-O-W-N-S-H-I-P N-O. 2 N-O-R-T-H

R-A-N-G-E N-O. 2 W-E-S-T

Of the UNTAH SPECIAL BASE AND Meridian,

U-T-A-H

AS SURVEYED BY

William Dallas, United States Deputy Surveyor,

under his Contract No. 267, dated July 20, 1903, 1904.

Survey commenced May 21, 1904

Survey completed June 8, 1904.

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High 60-08 97 ✓

NAMES AND DUTIES OF ASSISTANTS.

Wilfred B. Helne Chainman.

Chester Fleming Chainman.

Richard Hugh Camp Moundman,

Douglas King Axman,

Thomas Sands Doty Flagman.

Volume

6-161

#

R0304

BOOK A-304

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20	29	28	27	26	25
31	32	33	34	35	36

Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, Wilfred B. Helme and Chester Fleming
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we
will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey
of the Subdivisions of Tps. 2 and 3 N. Rs. 2 W. and Tps. 4 and 5 N. Rs. 1 W.
of the Uintah Special Base and Meridian Utah. Wilfred B. Helme, Chainman
Chester Fleming, Chainman

Subscribed and sworn to before me this 18th
day of May, 1904



William Dallas
U.S. Deputy Surveyor

WE, I Richard Hugh Camps and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey
of the Subdivisions of Tps. 2 and 3 N. Rs. 2 W. and Tps. 4 and 5 N. Rs. 1 W.
of the Uintah Special Base and Meridian Utah, Moundm.

I Richard Hugh Camps, Moundm.

Subscribed and sworn to before me this 18th
day of May, 1904



William Dallas
U.S. Deputy Surveyor

WE, I Douglas King and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn-
and other duties, according to instructions given us, to the best of my skill and ability, in the survey
of the Subdivisions of Tps. 2 and 3 N. Rs. 2 W. and Tps. 4 and 5 N. Rs. 1 W.
of the Uintah Special Base and Meridian Utah. I Douglas King, Axmen

Subscribed and sworn to before me this 18th
day of May, 1904



William Dallas
U.S. Deputy Surveyor

I, Thomas Sands Doty, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the
survey of the Subdivisions of Tps. 2 and 3 N. Rs. 2 W. and Tps. 4 and 5 N. Rs. 1 W.
of the Uintah Special Base and Meridian Utah. T. Sands Doty, Flagm.

Subscribed and sworn to before me this 18th
day of May, 1904



William Dallas
U.S. Deputy Surveyor

SUBDIVISION OF T.2 N.R.2 W.

Survey commenced May 21, 1904, and executed with a W. and L.E. Gurley solar compass with telescope attachment; the horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct and was approved by the Surveyor General for Utah May 4, 1904.

I examine the adjustments of the instrument and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of Tps.1 and 2 N.Rs.1 and 2 W., heretofore described; latitude $40^{\circ}31'33''$ N., longitude $110^{\circ}04'19''$ W. I set off $40^{\circ}32'N.$ on the lat.arc; $20^{\circ}14'N.$ on the decl. arc and at 2 h.10 m.p.m.l.m.t. determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground 5 chains N. of the cor.

At 3 h.30 m.a.m. by my watch which is 4 m. fast of local mean time, I observe Polaris at eastern elongation in accordance with the Manual of Instructions, and mark a point on the line thus determined on a peg driven in the ground 5 chs. N. of my station. May 22, 1904.

At 7 h.a.m.l.m.t. I lay off the azimuth of Polaris $1^{\circ}34'$ to the west and mark the meridian thus determined by cutting a small groove in the stone set May 21st., on which the meridian falls 0.2 ins. W. of the mark determined by the solar.

At 7 h.30 m.a.m.l.m.t. I set off $40^{\circ}32'N.$ on the lat.arc $20^{\circ}24'N.$ on the decl.arc and mark a point on the meridian determined with the solar by a cross on the stone already

. SUBDIVISION OF T.2 N.R.2 W.

set 5 chs.N.of my station;the mark falls 0.2 ins.E.of the meridian established by the Polaris observation. The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0'11" E.of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7 h.30 m. a.m.is N.16°50'W.;the angle thus determined gives the magnetic decl.16°50'E.

From the township corner already described I retrace north on the E.bdy.of sec.36 and at 39.96 chs.intersect the $\frac{1}{4}$ sec.cor.,and at 80.10 chs.intersect the cor.of secs. 25,30,31, and 36;therefore the line bears north.

From the Tp.cor.I run west on the S.bdy.of sec.36,at 40.05 chs.fall 1 lk.S.of the $\frac{1}{4}$ sec.cor.;and at 80.02 chs.fall 2 lks.S.of the cor.of secs.1,2,35, and 36 on S. bdy.of Tp.;therefore the bearings and chaining are as stated by Deputy Heist under his contract No.266

I commence at the cor.of secs.1,2,35, and 36 on the S. bdy.of the Tp.,which is a trachyte stone 6x12x9 ins. above ground firmly set and marked and witnessed as described by Deputy Heist under his contract No.266.

Thence I run

N.0°01'W.bet.secs.35 and .36

Over rolling land;through dense cedarst.

- | | |
|-------|--|
| 1.30 | Draw 1 ch.wide 20 ft.deep, course SE. |
| 17.00 | Spur projects SE;descend NE slope 100 ft. |
| 24.00 | Draw 1 ch.wide, course SE. |
| | Ascend SW slope 75 ft. |
| 31.50 | Spur projects SE.;descend NE slope 150 ft. |
| 36.00 | Leave timber bears NW and SE;thence over rolling bench. |
| 40.00 | Set a granite stone 18x12x10 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,Marked $\frac{1}{4}$ on W.face;and raise a mound of |

SURDIVISION OF T.2 N.R.2 W.

- Chain stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
56.00 Road to Whiterocks bears NW and SE.
80.00 Set a granite stone 18x14x12 ins. 12 ins. in the ground
for cor. of secs. 25, 26, 35, and 36, marked with 1 notch on
S. and 1 notch on E. edges; and raised a mound of stone 2
ft. base $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.
Land mountainous and rolling.
Soil rocky; 3rd rate.
Timber cedar.
Mountainous or heavily timbered land 80.00 chs.

May 22, 1904.

May 23: At 8 h.00 m.a.m.l.m.t. I set off $40^{\circ}32'$ on the
lat.arc, $20^{\circ}35'W$. on the decl.arc; and determine a true
meridian with the solar at the cor. of secs. 25, 26, 35
and 36. Thence I run

East on a random line bet. secs. 25 and 36

- 40.00 Set temp. $\frac{1}{2}$ sec.cor.
80.10 Intersect E.bdy. of Tp. 12 lks. S. of cor. of secs. 25, 30, 31,
and 36, which is a sandstone 5x10x8 ins. above ground,
firmly set and marked and witnessed as described by
Deputy J.H. Kartineau, under his contract No. 265.
Thence I run

$S.89^{\circ}55'W$. on a true line bet. secs. 25 and 36.

Over level bench;

- 8.00 Road bears N. and S.
9.00 Pole Creek 20 lks. wide 1 ft. deep, course S.
12.31 Brow of bench bears NW and SE; descend NE slope 150 ft.
15.00 Enter dense pine and aspen timber bears NW and SE.
Thence over level bottom land.
17.30 Slough 30 lks. wide, 2 ft. deep, course SE.
23.00 Right bank of Uintah River course SE.

SUBDIVISION OF T.3 N.R.2 W.

Crosses
23.75 Left bank of Uintah River course SE.
40.05 Set a granite stone 12x10x8 ins.8 ins.in the ground for
 $\frac{1}{2}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
A cottonwood 5 ins.diam.bears N. $72^{\circ}15' E.37$ lks.dist.
marked $\frac{1}{4}$ S 25 B T
A cottonwood 5 ins.diam.bears S. $30^{\circ}40' W.40$ lks.dist.
marked $\frac{1}{4}$ S 36 B T
43.00 Ascend SW slope 150 ft.
53.00 Brow of bench bears NW and SE;leave timber bears NW
a and SE.
Thence over level bench.
80.10 The cor.to secs.25,26,35, and 36.
Land mountainous and level bench
Soil rocky;3rd rate.
Timber pine and aspen.
Mountainous or heavily timbered land 80.10 chs.

N. $0^{\circ}01' W.$ betsecs.25 and 36
Over level bench.
7.75 Brow of bench bears NW and SE.
Enter cedar timber bears NW and SE;
Descend abruptly 200 ft.
14.00 Thence over level bottom land.
15.00 Right bank of Uintah River course SE.
16.10 Left bank of Uintah River course SE.
21.00 Leave timber bears NW and SE;ascend SW slope 200 ft.
33.00 Enter cedar timber bears NW and SE.
40.00 Set a granite stone 12x10x5 ins.8 ins.in the ground for
 $\frac{1}{2}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
A cedar 5 ins.diam.bears N. $39^{\circ}30' E.64$ lks.dist.
marked $\frac{1}{4}$ S 25 B T
A cedar 5 ins.diam.bears S. $85^{\circ}00' W.130$ lks.dist.
marked $\frac{1}{4}$ S 26 B T
Ascend SW slope 400 ft.

SUBDIVISION OF T.2 N.R.2 W.

Chain

43.00 Leave timber bears NW and SE.

80.00 Set a granite stone 14x12x12 ins.9 ins.in the ground for cor.of secs.23,24,25, and 26,marked with 2 notches on S.and 1 notch on E.edge;and raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high W.of cor.

Pits impracticable.

Land mountainous and level.

Soil rocky;3rd rate.

Timber pine and cedar.

Mountainous or heavily timbered land 80.00 chs.

N.89°55'E.on a random line betsecs.24 and 25

40.00 Set temp. $\frac{1}{4}$.sec.cor.

80.20 Intersect E.bdy.of Tp.39 lks.N.of cor.of secs.19,24,25 and 30,which is a sandstone 6x12x6 ins.above ground, marked and witnessed as described ^{by} Deputy J.H.Martineau under his contract No.265.

Thence I run

N.89°48'W.on a true line betsecs.24 and 25

Descend W.slope 50 ft.

6.00 Ravine, course SW;ascend SE slope 75 ft.

13.00 Spur projects S.;descend W.slope 200 ft.

33.50 Road bears N.and S.

34.00 Enter pine and aspen timber.bears N.and S.

37.10 Pole Creek 30 lks.wide 2 ft.deep, course S.

Ascend 30 ft.

40.10 Set a granite stone 16x10x8 ins.11 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which

A cottonwood 6 ins.diam.bears N.15°00'W.48 lks.dist marked $\frac{1}{4}$ S 24 B T

A cottonwood 5 ins.diam.bears S.16 lks.dist

marked $\frac{1}{4}$ S 25 B T

Ascend E.slope 400 ft.

41.50 Leave timber bears N.and S.

71.00

SURVEY OF T.2 N.R.2 W.

GROUNDS.

- 77.00 Ridge bears NW and SE,divide between Uintah River and Pole Creek.
Descent SW slope 40 ft.
80.00 The cor. of secs.23,24,25, and 26.
Land mountainous.
Soil rocky & stony.
Timber pine and aspen.
Mountainous or heavily timbered land 80.20 chs.

May 23, at 3 h.00 m.p.m.l.m.t. I set off $40^{\circ}33'N$.on the lat.arc, $20^{\circ}39'W$.on the decl.arc and determine a meridian with the solar at the cor.of secs.23,24,25, and 26.
Thence I run

$W.0^{\circ}1'W$.betsecs.23 and 24

Ascend SW slope 40 ft.

- 3.00 Ridge bears NW and SE,divide between Uintah River and Pole Creek.
Descent NE slope 100 ft.
13.00 Head of ravine course SE;ascend rocky SW slope 400 ft.
40.00 Set a granite stone 14x10x6 ins.9 ins.in the ground for $\frac{1}{2}$ sec.cor..marked $\frac{1}{2}$ on W.face;and raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high W.of cor.
Pits impracticable.
Ascend SW slope 50 ft.
43.00 Spur projects SE;descend NE slope 350 ft.
52.00 Thence over level land.
58.00 Enter cottonwood timber bears N.and S.
64.00 Pole Creek 30 lms.wide 2 ft.deep,course S. $20^{\circ}E$.
Ancrea.
71.00 Leave timber bears N.and S.
74.50 Road bears NW and SE.
64.50 Set a granite stone 16x11x8 ins.10 ins.in the ground for cor.of secs.13,14,23, and 24,marked with 3 notches on S.and 1 notch on E.edges;and raise a mound of stone

SURDIVISION OF T.2 N.R.2 W.

Chains

2 ft. base $1\frac{1}{2}$ ft. high W.of cor. Pits impracticable.

Land mountainous and level.

Soil rocky; 3rd rate.

Timber cottonwood along creek.

Mountainous or heavily timbered land 80.00 chs.

May 23, 1904.

May 24, at 8 h.30 m.a.m.l.m.t. I set off $40^{\circ}34'$ on the lat. arc; $20^{\circ}48'$ N.on the decl.arc, and determine a meridian with the solar at the cor. of secs. 13, 14, 23, and 24.

Thence I run

S. $89^{\circ}48'$ E. on a random line bet. secs. 13 and 24

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.10 Intersect E.bdy. of Tp. 4 lks.S. of cor. of secs. 13, 18, 19 and 24, which is a sandstone. 5x9x8 ins. above ground, firmly set and marked and witnessed as described by Deputy J.H. Martineau, under his contract No. 265.

Thence I run

N. $89^{\circ}50'$ W. on a true line bet. secs. 13 and 24

Descend NW slope 300 ft.

15.00 Ravine course SW; ascend SE slope 60 ft.

20.00 Spur projects SW; descend NW slope 100 ft.

25.00 Ravine course SW; ascend E.slope 50 ft.

30.00 Spur projects S.; descend W.slope 40 ft.

35.00 Ravine drains S.

Ascend E.slope 30 ft..

40.05 Set a granite stone 16x8x6 ins. 11 ins. in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of stone 8 ft. base $1\frac{1}{2}$ ft. high N.of cor.

Pits impracticable.

Ascend E.slope 50 ft.

42.00 Spur projects SW; descend NW slope. 150 ft.

46.00 Ravine course SW; ascend SE slope. 75 ft.

~~48.00 Spur projects SW; descend NW slope. 150 ft.~~

SUBDIVISION OF T.2 N.R.2 W.

Chains.

64.00 Spur projects SW.;descend SW.slope 250 ft.

72.00 Ravine 2 chs.wide 40 ft.deep, course SW;ascend.

80.10 The cor.of secs.13,14,23, and 24.

Land mountainous.

Soil rocky;3rd rate.

No timber.

Mountainoud land 80.10 chs.

N.0°01'W.bet.secs.13 and 14

Ascend rocky SW.slope 550 ft.

8.00 Ravine 2 chs.wide 30 ft.deep, course SW.

40.00 Set a granite stone 18x12x6 ins:12 ins.in the ground
for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and,raise a mound.of
stone 3 ft.base $1\frac{1}{2}$.ft.high W.of cor.

Pits impracticable.

Ascend SW slope 600 ft.

60.50 Spur projects W.;descend N.slope 300 ft.

62.00 Enter dense aspen timber bears E.and W.

80.00 Set a granite stone 17x10x8 ins.12 ins.in the ground
for cor.of secs.11,12,13, and 14,marked with 4 notches
on S.and 1 notch on E.edges;from which

An aspen 5 ins.diam.bears N.16°30'E.22 lks.dist.

marked T 2 N R 2 W S 12 B T

An. aspen 5 ins.diam.bears S.12°00'E.68 lks.dist.

marked T 2 N R 2 W S 13 B T

An aspen 5 ins.diam.bears S.12°00'W.60 lks.dist.

marked T 2 N R 2 W S 14 B T

An aspen 5 ins.diam.bears N.87°30'W.45 lks.dist.

marked T 2 N R 2 W S 11 B T

Land mountainous.

Soil rocky;3rd rate.

Timber aspen.

Mountainous or heavily timbered land 80.00 chs.

SUBDIVISION OF T.2 N.R.2 W.

Chains.

May 24, 1904, at the above cor. I set off 20°48' N. on the decl. arc; and at 12 h. 00 m.l.m.t. observe the sun on the meridian; the resulting lat. is 40°35' N. which is practically the proper lat.

S.89°50' E. on a random line bet. secs. 12 and 13.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.05 Intersect E. bdy. of Tp. 12 lks. N. of the cor. of secs. 7, 12, 13, and 18, which is a granite stone 4x10x6 ins. above ground, firmly set and marked and witnessed as described by Deputy J.H. Martineau, under his contract No. 265.
Thence I run

N.89°45' W. on a true line bet. secs. 12 and 13.

Ascend NE. slope 200 ft. through pine and aspen timber.

- 6.00 Spur projects SE; descend W. slope 200 ft.
22.00 Ravine course S.; ascend E. slope 200 ft.
32.00 Spur projects S.; descend SW. slope 100 ft.
40.02 Set a granite stone 17x10x7 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

An aspen 6 ins. diam. bears N.10°00' E. 28 lks. dist.

marked $\frac{1}{4}$ S 12 B T

An aspen 6 ins. diam. bears S.3°00' W. 22 lks. dist.

marked $\frac{1}{4}$ S 13 B T

Ascend 30 ft.

- 42.00 Spur projects SW.; descend rocky NW slope 1000 ft.

- 80.05 The cor. of secs. 11, 12, 13, and 14.

Land mountainous.

Soil rocky; 4th rate.

Timber pine and aspen.

Mountainous or heavily timbered land 80.05 chs.

SUBDIVISION OF T.2 N.R.2 W.

Chains N.0°01'W.bet.secs.11 and 12.

8.00 Descend steep NW.slope 120 ft.through pine timber.
Creek 10 lks.wide 6 ins.deep, course SW;ascend SE slope
800 ft.

29.00 Spur projects SW;descend NW slope 150 ft.

40.00 Set a granite stone 18x14x6 ins.12 ins.in the ground for
 $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
A pine 15 ins.diam.bears S.28°00'E.53 lks.dist.
marked $\frac{1}{4}$ S 12 B T
A pine 8 ins.diam.bears S.73°00'W.72 lks.dist.
marked $\frac{1}{4}$ S 11 B T
Descend NW.slope 250 ft.

51.00 Head of ravine course SW;ascend SE.slope 200 ft.

60.00 Spur projects SW;descend NW slope 300 ft.

71.00 Ravine course SW;ascend SE.slope 300 ft.

80.00 Set a granite stone 18x11x5 ins.12 ins.in the ground for
cor.of secs.1,2,11, and 12,marked with 5 notches on S.and
1 notch on E.edges;from which
A pine 6 ins.diam.bears N.50°00'E.151 lks.dist.
marked T 2 N R 2 W S 1 B T
A pine 5 ins.diam.bears S.37°30'E.209 lks.dist.
marked T 2 N R 2 W S 12 B T
A pine 7 ins.diam.bears S.39°00'W.23 lks.dist.
marked T 2 N R 2 W S 11 B T
A pine 8 ins.diam.bears N.23°15'W.292 lks.dist.
marked T 2 N R 2 W S 2 B T

Land mountainous.

Soil rocky;4th rate.

Timber pine.

Mountainous or heavily timbered land 80.00 chs.

May 24,1904.

May 25th,1904,at 9 h.15 m.a.m.l.m.t.I set off 40°36'
on the lat.arc,20°58'N.on the decl.arc;and determine a
meridian with the solar at the cor.of secs.1,2,11, and 12.
Thence I run

SUBDIVISION OF T.2 N.R.2 W.

Chains.

S.89°45' E.on a random line bet.secs.1 and 12

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.85 Intersect E.bdy.of Tp.23 lks.S.of cor.of secs.1,6,7, and 12, which is a granite stone 6x12x6 ins.above ground, firmly set and marked and witnessed as described by the Deputy J.H.Martineson,under his contract No.265.

Thence I run

N.89°55' W.on a true line bet.secs.1 and 12

Descend SW slope 300 ft.through pine timber.

25.00 Head of ravine, course SW.;ascend SE slope 300 ft.

39.927 Set a granite stone 18x14x6 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which

A pine 8 ins.diam.bears N.24°00'E.36 lks.dist.

marked $\frac{1}{4}$ S 1 B T

A pine 8 ins.diam.bears S.5°10'W.17 lks.dist.

marked $\frac{1}{4}$ S 12 B T

Top of ridge.

Descend steep SW slope 300 ft.

73.00 Head of ravine course SW;ascend steep SE.slope 100 ft.

79.85 The cor.of secs.1,2,11, and 12.

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen.

Mountainous or heavily timbered land 79.85 chs.

N.0°01'W.on a random line bet.secs.1 and 2

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.80 Intersect N.bdy.of Tp.33 lks.E.of cor.of secs.1,2,35 and 36, heretofore described.

Thence I run

S.0°15'E.on a true line bet.secs.1 and 2

Ascend NW slope 400 ft.through pine timber.

16.00 Ridge bears SW and NE.

Descend SE slope 700 ft.

SUBDIVISION OF T.2 N.R.2 W.

Chains 39.80 Set a granite stone 19x14x7 ins.13 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which A cedar 24 ins.diam.bears N. $60^{\circ}30'$ E.45 lks.dist. marked $\frac{1}{2}$ S 1 B T
A pine 30 ins.diam.bears N. $72^{\circ}00'$ W.6 lks.dist. marked $\frac{1}{2}$ S 2 B T
Descend SE.slope 350 ft.

47.70 Creek 10 lks.wide 6 ins.deep,course S. $80^{\circ}W$. Ascend NW.slope 800 ft.

73.00 Ridge bears SW.and NE.
Descend S.slope 150 ft.

79.80 The cor.to secs.1,2,11, and 12.
Land mountainous.
Soil rocky;4th rate.
Timber pine.
Mountainous and heavily timbered land 79.80 chs.

May 25,1904.

May 26,1904 at 8 h.15 m.a.m.l.m.t.I set off $40^{\circ}32'$ on the lat.arc; $21^{\circ}08'$ N.on the decl.arc, and determine a meridian with the solar at the cor.of secs.2,3,34 and 35 on S.bdy.of township,which is a trachyte stone 8x8x6 ins.above ground,firmly set and marked and witnessed as described by Deputy Heist under his contract No.266.
Thence I run

N. $0^{\circ}02'$ W.betsecs.34 and 35

Descend.

37.00 Ravine 4 chs.wide 60 ft.deep,courseSE;ascend.
40.00 Set a granite stone 14x10x6 ins.9 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.
Pits impracticable.
53.00 Ascend steeper SW.slope 800 ft.
80.00 Spur projects SE.

6° 10' 2 N R 2 W.

Chains

Set a granite stone 14x18x5 ins.9 ins.in the ground for cor.of secs.26,27,34, and 35,marked with 1 notch on S.and 2 notches on E.edges;and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft.high W.of cor.

Pits impracticable.

Land rolling mountains.

Soil rocky;3rd rate.

No timber.

Mountainous land 80.00 chs.

East on a random line bet.secs.26 and 35.

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.80 Intersect N.and S.line 13 lks.S.of cor.of secs.25,26,35 and 36.Thence I run

S.89°54'W.on a true line bet.secs.26 and 35

Over rolling land.

23.15 Road to Whiterocks bears NW and SE.

59.90 Set a granite stone 16x11x5 ins.11 ins.in the ground fo. $\frac{1}{2}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raised a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high N.of cor.

Pits impracticable.

52.50 Ascend NE slope 200 ft.

63.50 Spur projects SE.;descend 75 ft.

70.50 Ravine course SE;ascend 100 ft.

79.80 The cor.of secs.26,27,34, and 35.

Land rolling mountains.

Soil rocky;3rd rate.

No timber.

Mountainous land 79.80 chs.

N.0°02'W bet.secs.26 and 27

Descend NE.slope 40 ft.

5.00 Ravine course SE;ascend 30 ft.

SUBDIVISION OF T.2 N.R.2 W.

Chains	
8.00	Spur projects SE.;descend 60 ft.
23.00	Ravine course SE.;ascend 70 ft.
30.50	Spur projects SE;descend 75 ft.
39.00	Ravine course SE.;ascend 20 ft.
40.00	Set a granite stone 20x8x6 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raised a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor. Pits impracticable. Ascend 20 ft.
41.50	Spur projects SE.;descend NE.slope 100 ft.
53.00	Ravine course SE.;ascend 50 ft.
57.00	Spur projects SE.;descend NE.slope 100 ft.
63.00	Ravine course SE.;ascend SW,slope 60 ft.
68.00	Spur projects SE.;descend rocky NE.slope 125 ft.
80.00	Set a granite stone 17x11x6 ins.11 ins.in the ground for cor.of secs.22,23,26, and 27,marked with 2 notches on S.and 2 notches on E.edges;and raised a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable. Land mountainous. Soil rocky;3rd rate. No timber. Mountainous land 80.00 chs.

May 26,1904,at 2 h.00 m.p.m.i.m.t.I set off $40^{\circ}33'N$.on
the lat.arc; $21^{\circ}11'N$.on the decl.arc;and determine a me-
ridian with the solar at the cor.of secs.22,23,26, and 27.
Thence I run

40.00	N. $89^{\circ}54'E$.on a random line betsecs.23 and 26 Set temp. $\frac{1}{4}$ sec.cor.
79.90	Intersect N.and S.line 14 lks.N.of cor.of secs.23,24,25 and 26.Thence I run West on a true line betsecs.23 and 26 Descend rocky SW.slope 375 ft.
39.95	Set a granite stone 14x12x8 ins.9 ins.in the ground for

SUBDIVISION OF T.2 N.R.2 W.

Chains

$\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of stone
2 ft. base 1 $\frac{1}{2}$ ft. high N.of cor.

Pits impracticable.

Descend SW.slope 200 ft.

49.00 Enter pine timber bears NW.and SE.; thence level bottom
land.

51.00 Slough 50 lks.wide. 1 ft. deep, course S.; enter swamp.

57.80 Left bank of Uintah River course SE.

58.50 Right bank of Uintah River course SE.

64.00 Leave timber bears NW.and SE; ascend NE.slope 60 ft.

79.40 Road bears NW.and SE.

79.90 The cor.of secs.22,23,26, and 27.

Land mountainous.

Soil rocky; 3rd rate.

Timber pine.

Mountainous or heavily timbered land 79.90 chs.

N.0°02'W.bet.sec.22 and 23.

Descend NE.slope 70 ft.

4.70 Road to Whiterocks bears NW.and SE.; thence over level
bench.

20.00 Descend 50 ft.

27.00 Ravine course SE; ascend 50 ft.

29.00 The $\frac{1}{4}$ sec.cor.point will fall in the river; therefore
Set a granite stone 19x12x7 ins.14 ins.in the ground fo
witness cor.to $\frac{1}{4}$ sec.cor., marked W $\frac{1}{4}$ on N.face, and rais
a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W.of cor.

Pits impracticable.

This cor.stands on brow of bench bears NW and SE.

Descend abruptly 220 ft.

35.00 Right bank of Uintah River course SE.

40.00 Point for $\frac{1}{4}$ sec.cor.falls in river.

43.50 Left bank of Uintah River course SE.; thence through
swamp and dense brush.

SUBDIVISION OF T.2 N.R.2 W.

Chains.	
60.50	Leave swamp and brush. bears NW and SE.; ascend SW.slope 220 ft.
80.00	Set a granite stone 22x12x6. ins.16 ins.in the ground for cor.to secs.14,15,22, and 23,marked with 3 notches on S. and 2 notches on E.edges;and raised a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high W.of cor.Pits impracticable. Land mountainous.. and level. Soil rocky;3rd rate. Timber pine and aspen. Mountainous or heavily timbered land 80.00 chs.

	East on a random line betsecs.14 and 23
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.04	Intersect N.and S.line 33 lks.S.of. the cor.of secs.13, 14,23, and 24;thence I run S.89°46'W.on a true line betsecs.14 and 23. Descend SW.slope 80 ft.
5.00	Enter pine,timber bears NW.and SE. Road bears NW.and SE.
8.80	Pole Creek 30 lks.wide 1 ft.deep,course SE.;ascend NE slope 500 ft.
22.00	Leave timber bears NW.and SE.
36.00	Ridge bears NW.and SE.,divide between Uintah River and Pole Creek. Descend SW.slope 60 ft.
40.02	Set a granite stone 19x14x6 ins.14 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;and raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high N.of cor. Pits impracticable. Descend rocky SW slope 600 ft.
80.04	The cor.of secs.14,15,22 and 23. Land mountainous. Soil rocky;3rd rate. Timber pine.

GENERAL VISION OF T.S. N.R.2 W.

Chains.

Mountainous or heavily timbered land 80.04 chs.

May 26, 1904.

Heavy rains prevented work May 27 and 28, 1904.

May 29, 1904, at 8 h.20 m.a.m.l.m.t. I set off $40^{\circ}34'N$.on the lat.arc, $21^{\circ}38'W$.on the decl.arc, and determine a meridian with the solar at the cor.of sec.:14,15,22, and 23. Thence I run

$N.0^{\circ}02'W$.bet.secs.14 and 15.

Ascend rocky SW.slope 250 ft.

40.00 Set a granite stone $20 \times 14 \times 7$ ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on W.face; and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft. high W.of cor.

Pits impracticable.

Ascend SW.slope 700 ft.

74.50 Ridge bears NW and SE.;divide between Uintah River and Pole Creek.

Descend NE slope 40 ft.

78.00 Ravine course SE;ascend SW slope 40 ft.

80.00 Set a granite stone $15 \times 14 \times 10$ ins.10 ins.in the ground for cor.of secs.10,11,14, and 15,marked with 4 notches on S. and 2 notches on E.edges; and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft. high W.of cor.

Pits impracticable.

Land mountainous.

Soil rocky;3rd rate.

No timber.

Mountainous land 80.00 chs.

$N.89^{\circ}46'E$.on a random line bet.secs.11 and 14

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.10 Intersect N.and S.line 5 lks.S.of cor.of secs.11,12,13 and 14;thence I run

SUBDIVISION OF T.2 N.R.2 W.

Chains	S.89°44'W.on a true line betsecs.11 and 14.
	Descend NW slope 100 ft.through pine and aspen timber.
5.80	Creek 10 lks.wide 6 ins.deep, course SW;ascend SE.slope 500 ft.
22.00	Spur projects SW.
	Leave timber bears NW and SE.
40.05	Set a granite stone 16x11x5 ins.11 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which A pine 24 ins.diam.bears N.10°W.75 lks.dist. marked $\frac{1}{4}$ S 11 B T No other bearing trees within limits;raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high N.of cor. Pits impracticable.
47.00	Leave open and enter timber bears NW and SE.
50.30	Polo Creek 30 lks.wide,1 ft.deep, course SE. Ascend NE slope 500 ft.
52.00	Leave timber and enter open bears NW and SE.
55.00	Trail bears NW and SE.
75.50	Spur projects SE; Descend SW slope 50 ft.to cor.
80.10	The cor.of secs.10,11,14, and 15. Land mountainous. Soil rocky;3rd rate. Timber pine and aspen. Mountainous or heavily timbered land 80.10 chs.

	N.0°02'W.betsecs.10 and 11
	Over mountainous land;ascend SW slope 50 ft.
3.00	Spur projects SE.;descend NE.slope 320 ft.
29.00	Trail bears NW.and SE..
31.0	Draw course SE;ascend SW slope 100 ft.
40.00	Set a granite stone 15x10x8 ins.10 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high W.of cor.

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SUBDIVISION OF T.2 N.R.2 W.

Chains.

Pits impracticable.

55.00 Spur projects SE.

Descend NE slope 150 ft.

60.00 Leave open; enter dense aspen timber;bears NW and SE:

80.00 Set a granite stone 16x11x7 ins.ll ins.in the ground
for cor.of secs.2,3,10, and 11,marked with 5' notches on
S.and 2 notches on E.edges;from which

An aspen 8 ins.diam.bears N.57°E.157 lks.dist.

marked T 2 N R 2 W S 2 B T

An aspen 6 ins.diam.bears S.70°45'E.132 lks.dist.

marked T 2 N R 2 W S 11 B T

No other suitable bearing trees within limits;raise a
mound of stone 3 ft.base 1½ ft.high W.of cor.

Pits impracticable.

Land mountainous.

Soil stony;3rd rate.

Timber aspen.

Mountainous or heavily timbered land 80.00 chs.

N.89°44'E.on a random line betsecs.2 and 11

40.00 Set temp: $\frac{1}{4}$ sec.cor.79.80 Intersect N:and S:line 20lks.N.of the cor.of secs.1,2,
11 and 12.Thence I run

S.89°53'W.on a true line betsecs.2 and 11

Through dense timber along S.slope.

15.00 Descend abruptly 200 ft.

25.00 Head of ravine course SW.;ascend SE.slope.

28.50 Spur projects SW.

Descend NW slope 400 ft.

39.90 Set a granite stone 18x8x7 ins.12 ins.in the ground for
 $\frac{1}{4}$ sec.cor..marked $\frac{1}{4}$ on N.face;from which

An aspen 5 ins.diam.bears N.37°15'E.68 lks.dist.

marked $\frac{1}{4}$ S 2 B T

An aspen 5 ins.diam.bears S.32°30'E.30 lks.dist.

SUBDIVISION OF T.2 N.R.2 W.

Chains	marked $\frac{1}{4}$ S 11 B T
65.70	Creek 10 lks.wide 6 ins.deep, course SW. Ascend SE slope.
68.60	Spur projects SW;descend NW slope.
75.20	Pole Creek 30 lks.wide,18 ins.deep, course SE. Ascend E.slope through aspen thicket.
79.80	The cor.of secs.2,3,10, and 11. Land mountainous. Soil stony;3rd and 4th rate. Timber pine,fir, and aspen. Mountainous or heavily timbered land 79.80 chs.
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40.00	N.0°02'W.on a random line bet.secs.2 and 3 Set temp. $\frac{1}{4}$ sec.cor.
79.85	Intersect N.bdy.of Tp.31 1ks.E.of the cor.of secs.2,3,34 and 35, heretofore described. Thence I run
	S.0°15'E.on a true line bet.secs.2 and 3. Over mountainous land;through dense timber.and under-growth;descending SE.slope.
9.00	Dry ravine course SW.;ascend NW.slope.
24.00	Spur projects SW.;descend SE.slope.
27.00	Draw course SW.;ascend NW.slope.
34.00	Spur projects SW.100 ft.above draw;descend along broken SW.slope.
39.85	Set a granite stone 17x11x7 ins.12. ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which An aspen 10 ins.diam.bears N.22°30'E.20 lks.dist. marked $\frac{1}{4}$ S 2 B T
	An aspen 6 ins.diam.bears N.11°W.16 lks.dist. marked $\frac{1}{4}$ S 3 B T
70.50	Pole Creek 30 lks.wide,1 ft.deep, course SE.
79.85	The cor.of secs.2,3,10, and 11. Land mountainous.

SUBDIVISION OF T.3 N.R.2 W.

Chains

Soil stony; 3rd rate.

Timber aspen.

Mountainous or heavily timbered land 79.85 chs.

At noon cloud obscures the sun, take no observations for lat. this day.

May 29, 1904.

May 30, at 8 h.0 m.a.m.l.m.t. I set off $40^{\circ}32'N$.on 1st. arc, $21^{\circ}47'N$.on decl. arc, and determine a meridian with the solar at the cor. of secs. 3, 4, 33, and 34 on S.bdy. of Tp., which is a trachyte stone 6x9x5 ins. above ground, firmly set and marked and witnessed as described by Deputy Heist, under his contract No. 266.

Thence I run

 $N.0^{\circ}02'W$. bet. secs. 33 and 34

Descend rocky NE.slope:

15.00 Draw, course SE., 80 ft. lower than cor.

Ascend SW.slope.

26.00 700 ft. above draw; thence along rocky E.slope.

40.00 Set a basaltic stone 16x12x6 ins. 11 ins. in the ground for $\frac{1}{2}$ sec.cor., marked $\frac{1}{4}$ on W.face; raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W.of cor. Pits impracticable.

60.00 Begin descent of rocky NE.slope.

80.00 Set a granite stone 18x10x8 ins. 12 ins. in the ground for cor. of secs. 27, 28, 33, and 34, marked with 1 notch on S. and 3 notches on E.edges; raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W.of cor. Pits impracticable.

Land mountainous.

Soil stony; 4th rate.

No timber.

Mountainous land 80.00 chs.

East on a random line bet. secs. 27 and 3440.00 Set temp. $\frac{1}{4}$ sec.cor.

SUBDIVISION OF T.2 N.R.2 W.

Chains.	
79.85	Intersect N. and S. line at the cor. of secs. 26, 27, 34, and 35. Thence I run West on a true line bet. secs. 27 and 34, over mountainous land; descending SW. slope.
33.00	Draw course SE., 300 ft. lower than cor. Ascend NE. slope.
39.92 $\frac{1}{2}$	Set a granite stone 14x8x6 ins. 9 ins. in the ground for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
44.00	Spur projects SE.; descend SW. slope.
60.00	Draw course SE., 100 ft. lower than spur.; ascend NE slope.
68.00	Spur projects SE., 75 ft. above draw; descend SW. slope.
74.00	Draw course SE., 75 ft. lower than spur. Old road in draw bears NW. and SE.
79.85	The cor. of secs. 27, 28, 33. and 34. Land mountainous. Soil stony; 3rd rate. No timber. Mountainous land 79.85 chs. May 30: At this cor. at 12 h.m.l.r.t. I set off 21°48' N. on decl. arc and observe the sun on the meridian; the resulting lat. is 40°32' N., which is correct lat.

N. 0°02' W. bet. secs. 27 and 28

3.60	Over mountainous land; descending along NE slope. Draw course SE.; 50 ft. lower than cor. Old road in draw bears NW. and SE. Ascend SW. slope.
16.00	Brow of bench bears NW. and SE.; gradual ascent.
40.00	Set a granite stone 15x10x7 ins. 10 ins. in the ground for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on W. face; raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

SUBDIVISION OF T.2 N.R.2 W.

Chains.

80.00 Set a granite stone 22x10x6 ins.16 ins.in the ground for cor.of secs.21,22,27, and 28,marked with 2 notches on S.and 2 notches on E.edge;and raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high W.of cor.Pits impracticable.

Land mountainous.

Soil stony;3rd and 4th rate.

No timber.

Mountainous land 80.00 chs.

East on a random line betsecs.22 and 27

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.90 Intersect N and S.line at the cor.of secs.22,23,26, and 27;thence I run.

West on a true line betsecs.22 and 27

Over mountainous land;ascend NE.slope.

18.30 Spur projects SE 150 ft.above cor.

Descend SW.slope.

28.90 Draw course SE.80 ft.lower than spur.

Ascend NE.slope.

39.00 Ridge bears NW.and SE.250 ft.above draw;descend SW.slope.

39.95 Set a granite stone 18x10x6 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high N.of cor.

Pits impracticable.

49.50 Draw course SE 200 ft.below ridge;ascend NE.slope.

73.00 Line along gradual S.slope on bench 400 ft.above draw.

79.90 The cor.of secs.21,22,27, and 28.

Land mountainous.

Soil stony;3rd rate.

No timber.

Mountainous land 79.90 chs.

SUBDIVISION OF T.2 N.R.2 W.

Chains.

- May 30: at 4 p.m.l.m.t. I set off $40^{\circ}33'N.$ on lat. arc,
 $21^{\circ}50'W.$ on decl. arc, and determine the meridian with the
 solar at the cor. of secs. 21, 22, 27, and 28: Thence I run
 $N.0^{\circ}02'W.$ bet. secs. 21 and 22
- Over mountainous land
- Ascending south slope, over bench.
- 20.00 Begin steep ascent SW.slope.
- 40.00 Set a granite stone $15 \times 10 \times 4$ ins. 10 ins. in the ground,
 for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face; raise a mound of stone
 2 ft. base $1\frac{1}{2}$ ft. high W.of cor.
- Pits impracticable.
- 41.00 Spur projects SE; descend NE.slope.
- 53.00 Leave open; enter pine and aspen timber bears NW. and SE.
- 63.00 Draw course SE., 250 ft. below spur;
- Asc nd SW.slope.
- 76.00 Ridge bears NW. and SE. 200 ft. above draw.
- Desc nd NE.slope.
- 80.00 Set a granite stone $18 \times 12 \times 6$ ins. 12 ins. in the ground
 for cor. of secs. 15, 16, 21. and 22, marked with 3 notches
 on S. and E.edges, from which:
- A pine 12 ins. diam. bears $N.42^{\circ}30'E.$ 75 lks. dist.
 marked T 2 N R 2 W S 15 B T
- A pine 14 ins. diam. bears $S.59^{\circ}E.$ 48 lks. dist.
 marked T 2 N R 2 W S 22 B T
- A pine 14 ins. diam. bears $S.4^{\circ}30'W.$ 130 lks. dist.
 marked T 2 N R 2 W S 21 B T
- A pine 12 ins. diam. bears $N.43^{\circ}W.$ 144 lks. dist.
 marked T 2 N R 2 W S 16 B T
- Land mountainous.
- Soil stony; 4th rate.
- Timber pine and aspen.
- Mountainous or heavily timbered land 80.00 chs.

May 30, 1904.

SUBDIVISION OF T.2 N.R.2 W.

Chains.

May 31, 1904, at 7 h.30 m.a.m. at the cor. of secs. 15, 16,
 21 and 22 I set off $40^{\circ}34'N$. on lat. arc; $21^{\circ}56'W$. on decl.
 arc and determine the meridian with the solar.

Thence I run

East on a random line bet. secs. 15 and 22

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.15 Intersect N. and S. line 30 lks. S. of the cor. of secs. 14, 1.,
 22 and 23; thence I run

$S.89^{\circ}47'W$. on a true line bet. secs. 15 and 22

Over mountainous land.

5.15 Leave open and enter timber and underbrush; bears NW and
 SE.

15.00 Left bank of Uintah River 80 lks. wide 3 ft. deep, course
 SE.

15.80 Right bank of Uintah River course SE.

22.00 Leave timber and underbrush and enter open bears NW and
 SE.

29.00 Road from saw mill to Whiterocks bears NW. and SE.

36.00 Leave open; enter timber bears NW. and SE.
 Ascend NE. slope.

40.07 Set a granite stone 18x12x8 ins. 12 ins. in the ground fo
 $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A pine 14 ins. diam. bears N. $84^{\circ}W$. 130 lks. dist.

marked $\frac{1}{4}$ S 15 B T

A pine 8 ins. diam. bears S. $35\frac{1}{2}^{\circ}E$. 85 lks. dist.

marked $\frac{1}{4}$ S 22 B T

80.15 The cor. of secs. 15, 16, 21, and 22; 200 ft. above river.

Land mountainous.

Soil stony and sandy; 2nd and 3rd rate.

Timber pine and aspen.

Mountainous or heavily timbored land 80.15 chs.

N. $0^{\circ}02'W$. bet. secs. 15 and 16

Over mountainous land; through timber; descending NE.

SUMMARY OF 1937 M.R.C. VI.

MOUNTAIN LAMBSKINS.

- 10.15 At top of draw, recent talus deposit SW. slope.
 10.15 Top projects SH.150 ft. above draw between rocky NW.slope
 10.15 Big sand - very white S.T.
 10.15 Top projects SH.,500 ft. lower than previous NW. slope.
 10.15 White granite stone 18x18x6 ins.12 lbs. in the ground
 10.15 Top of rock, yellowish tan color; from which
 A pine 16 ins. tall, bears N.78°E.102°N. dist.
 wooded T 8 15 E T
 A pine 12 ins. tall, bears S.42°W.45°N. dist.
 wooded T 8 16 E T
 10.15 Top projects SH.150 ft. above draw; talus deposit NW. slope
 10.15 South talus deposit 15 ft. below top;
 10.15 River bottom dense undergrowth bears NW. and SH.
 10.15 Top of talus - stone 17x11x6 ins.12 lbs. in the ground
 10.15 Top of rock, bears S.10,15, and 16, marked with 4 notches on
 10.15 Top of talus on E. exposure; from which
 A pine 10 ins. tall, bears N.25°E.10°N. dist.
 wooded T 8 15 E T
 A pine 8 ins. tall, bears S.51°E.10°N. dist. dist.
 wooded T 8 15 E T
 A cottonwood 8 ins. diam. bears S.74°W.171°N. dist.
 wooded T 8 15 E T
 A pine 16 ins. tall, bears N.90°W.14°N. dist.
 wooded T 8 15 E T
 10.15 Top of talus.
 10.15 Stony talus and 300' later.
 10.15 Top of talus, 100' later, 100' higher.
 10.15 Top of talus, 200' later, 200' higher, 60.00 sec.

MOUNTAIN LAMBSKINS - 1937 M.R.C. VI. - 36 -

MOUNTAIN LAMBSKINS.

SUBDIVISION OF T.2 N.R.2 W.

Chains

80.20 Intersect N. and S. line 2 lks. S. of the cor. of secs. 10, 11
14 and 15; thence I run

S. $89^{\circ}46'$ W. on a true line bet. secs. 10 and 15

Over mountainous land; descending SW. slope.

2.50 Head of draw course SE; ascend NE. slope.

5.00 Ridge bears NW. and SE.; divide between Uintah River and
Pole Creek.

Descend steep SW. slope.

40.10 Set a granite stone 18x11x7 ins. 18 ins. in the ground
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{2}$ on N. face; raise a mound of stone
2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
 $\frac{1}{2}$ sec. cor. 800 ft. lower than sec. cor.

45.00 Foot of steep descent 900 ft. lower than sec. cor.
Continue descent; gradual SW. slope.

60.00 Leave open; enter timber and undergrowth bears NW. and SE.

64.50 Left bank of Uintah River; bank 3 ft. high.

66.00 Right bank of Uintah River 150 lks. wide, 18 ins. deep,
course SE.

69.00 Slough 50 lks. wide, 1 ft. deep, course SE.

76.70 Road saw mill to Whiterocks bears NW. and SE.

80.20 The cor. of secs. 9, 10, 15, and 16.

Land mountainous and level.

Soil stony and sandy; 2nd and 3rd rate.

Mountainous or heavily timbered land 80.20 chs.

N. $0^{\circ}02'$ W. bet. secs. 9 and 10

Through dense timber and underbrush.

0.75 Slough 30 lks. wide 1 ft. deep, course SE.

6.70 Road saw mill to Whiterocks bears NW. and SE.

22.00 Slough 30 lks. wide, 1 ft. deep, course SE.

Enter swamp.

30.00 Right bank Uintah River course SE.

31.00 Left bank of Uintah River course SE.

River 1 ch. wide 3 ft. deep, banks 4 ft. high.

SUBDIVISION OF T.2 N.R.2 W.

Chains	
35.00	Leave river bottom and undergrowth; ascend steep SW.slope through scattering pine timber.
40.00	Set a granite stone 18x13x7 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which A pine 24 ins.diam.bears S.57°30'W.255 lks.dist. marked $\frac{1}{4}$ S 9 B T . No other bearing trees within limits;raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high W.of cor. Pits impracticable.
80.00	Set a granite stone 23x14x10 ins.17 ins.in the ground for cor.of secs.3,4,9, and 10,marked with 5 notches on S. and 3 notches on E.edges;and raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high W.of cor. Pits impracticable. Land mountainous and level. Soil sandy and rocky;2nd and 3rd rate. Timber pine,aspen, and willows. Mountainous or heavily timbered land .80.00 chs. May 31: At 12 h.M:cloud obscures..the sun can take no observation for lat.this day.

	H.89°46'E.on a random line bet.secs.3 and 10
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.24	Intersect H.and S.line at the cor.of secs.2,3,10, and 11 Thence I run S.89°46'W.on a true line bet.secs.3 and 10 Over mountainous land;ascend rocky east slope;through aspen thicket.
9.00	Leave thicket and enter open bears.N.and S.
18.00	Trail bears N.and S.
40.12	Ridge bears NW.and SE.divide between Uintah River and Pole Creek,500 ft.above sec.cor. Set a granite stone 17x11x10 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high N.of cor.

S 1 DIVISION OF T 2 N R 2 W

Chains

Pits impracticable.

41.00 Descend SW.slope.

51.00 Head of draw course S.150 ft.below ridge;ascend SE.slope.

55.00 Point of spur projects S.100 ft.above draw.

Descend steep W.slope;enter scattering timber.

80.24 The cor.of secs.3,4,9, and 10,250 ft.below spur.

Land mountainous.

Soil stony;3rd rate.

Timber aspen and scattering pine.

Mountainous or heavily timbered land 80.24 chs.

N.0°02'W.on a random line betsecs.3 and 4

40.00 Set temp. $\frac{1}{2}$ sec.cor.

80.10 Intersect N.bdy.of Tp.7 lks.E.of the cor.of secs.3,4,
33 and 34,heretofore described in notes or N.Bdy.

Thence I run

S.0°05'E.on a true line betsecs.3 and 4,

over mountainous land;descend SW.slope.

12.00 Leave open;enter aspen thicket bears NW.and SE.

15.00 Draw course NW.;trail bears NW.and SE.

Ascend NW.slope.

30.00 Spur projects NW.250 ft.above draw;leave aspen thicket;
enter open bears NW.and SE.

Scattering pines on slope;descend SW.slope.

40.10 Set a granite stone 18x8x6.ins.12 ins.in the ground,for
 $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which

A pine 14 ins.diam.bears N.78°E.51 lks.dist.

marked $\frac{1}{4}$ S 3 B T

No other bearing trees within limits;raise a round of
stone 2 ft.base 1 $\frac{1}{2}$ ft.high W.of cor.

Pits impracticable.

60.00 Draw course SW.350 ft.below spur.

Ascend NE.slope 50 ft.

63.00 Spur projects SW.;descend SW.slope to cor.

SURVEY OF T.R. N.R. S.W.

Section.
 80.10 The cor. of secs. 7, 4, 9, and 10, 250 ft. lower than spur.
 Land mountainous.
 Soil stony; 3rd rate.
 Timber aspen and pine.
 Mountainous or heavily timbered land 80.10 chs.

June 1, 1904, at 8 h.0 m.a.m.l.m.t. I set off $40^{\circ}32'N$.on lat.arc; $22^{\circ}4'W$.on decl.arc; and determine a meridian with the solar at the cor. of secs. 4, 5, 32, and 33 on S.bdy.of township, which is a trachyte stone 5x12x12 ins. above ground firmly set and marked and witnessed as described by Deputy Geist, under his contract No. 266.

Thence I run

$N.0^{\circ}03'W$. bet. secs. 32 and 33,

Over mountainous land; ascending gradual S.slope over bench.

40.00 Set a granite stone 10x10x6 ins. 11 ins. in the ground for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W.face; raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W.of cor. Pits impracticable.

80.00 Set a granite stone 10x10x10 ins. 12 ins. in the ground for cor.of secs. 28, 30, 32, and 33, marked with 1 notch on S. and 4 notches on E.edges; raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W.of cor. Pits impracticable.

Land mountainous.
 Soil stony; 3rd rate.
 No timber.
 Mountainous land 80.00 chs.

Run on a random line bet. secs. 28 and 33
 At temp. $\frac{1}{2}$ sec.cor.
 7.00 Intercept $7.0^{\circ}3'W$. line in 100.0' of the cor. of secs. 27, 28, 32, and 34. Thence I run
 $7.0^{\circ}05'W$. on a true line bet. secs. 28 and 33

SUBDIVISION OF T.2 N.R.2 W.

Chains.

Ascending NE.slope.

9.00 Edge of bench bears NW and SE 150 ft. above cor.; thence along gradual S.slope.

14.70 Old road bears NW and SE.

39.90 Set a granite stone 16x12x4 ins.11 ins.in the ground.

for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor.

Pits impracticable.

41.00 Descend W.slope.

53.00 100 ft.below bench ravine drains S.

Ascend broken S.slope.

79.80 The cor.of secs.28,29,32, and 33.

Land mountainous.

Soil stony;3rd rate.

No timber.

Mountainous land 79.80 chs.

N.0°03'W.betsecs.28 and 29

Ascending gradual S.slope,bench land.

38.00 Old road bears NW and SE.

40.00 Set a granite stone 14x10x7 ins.9 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.80.00 Set a granite stone 20x10x6 ins.15 ins.in the ground for cor.of secs.20,21,28, and 29,marked with 2 notches on S.and 4 notches on E.edges;raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.

Pits impracticable.

Land mountainous.

Soil stony 3rd rate.

No timber.

Mountainous land 80.00 chs.

June 1: At this cor.I set off 22°5'N.on the decl.arc,an at 11 h.55 m.a.m.l.m.t.observe the sun on the meridian;

SUBDIVISION OF T.2 N.R.2 W.

Chains the resulting lat. is $40^{\circ}32'$ N which is within 1' of the correct lat.

- N. $89^{\circ}55'$ E.on a random line bet.secs.21 and 28
40.00 Set temp. $\frac{1}{2}$ sec.cor.
80.00 Intersect N.and S.line 12 lks.N.of the cor.of secs.21,
22,27, and 28; thence I run
West on a true line bet.secs.21 and 28
Descending rocky W.slope.
7.00 Draw course S.;ascend E.slope.
15.00 Spur projects SE.75 ft.above draw;descend SW.slope.
30.00 Draw course S.75 ft.lower than spur;ascend W.slope.
24.00 Spur projects SE.50 ft.above draw;descend SW.slope.
39.50 Old road bears N.and S.
40.00 Set a granite stone 17x11x8 ins.12 ins.in the ground
for $\frac{1}{2}$ sec.cor..marked $\frac{1}{4}$ on N.face;raise a mound of
stone 2 ft.base 1 $\frac{1}{2}$ ft.high N.of cor.
Pits impracticable.
45.00 Draw course SW.,100 ft.lower than spur.
Ascend SW.slope 50 ft.to bench.
50.00 Edge of bench bears NE.and SW.
75.00 Draw course SE.;ascend 50 ft.to cor.
80.00 The cor.of secs.20,21,28, and 29.
Land mountainous.
Soil stony;3rd rate.
No timber.
Sagebrush and bunch grass.
Mountainous land 80.00 chs.

N. $0^{\circ}03'$ W.bet.secs.20 and 21

- Ascending S.slope.
22.00 Ridge bears E.and W.;leave open, and enter pine timber,
bears E.and W.;descend N.slope.

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SUBDIVISION OF T.2 N.R.2 W.

Chains

- 34.00 Draw course NW.; ascend SW.slope.
 40.00 On spur projects NW.,
 Set a granite stone 14x14x8 ins.9 ins.in the ground for
 $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on the W.face;from which
 An aspen 5 ins.diam.bears S.78°15'E.38 lks.dist.
 marked $\frac{1}{4}$ S 21 B T
 A pine 12 ins.diam.bears N.14°30'W.115 lks.dist.
 marked $\frac{1}{4}$ S 20 B T
 Thence along rocky W.slope;through dense timber.
 50.00 Draw course W.;ascend along SW.slope,through scattering
 timber.
 80.00 Set a granite stone 24x6x6 ins.18 ins.in the ground for
 cor.of secs.16,17,20, and 21,marked with 3 notches on S.
 and 4 notches on E.edges;from which
 A pine 22 ins.diam.bears N.34°15'E.173 lks.dist.
 marked T 2 N R 2 W S 16 B T
 A pine 10 ins.diam.bears S.42°30'E.91 lks.dist.
 marked T 2 N R 2 W S 21 B T
 A pine 24 ins.diam.bears N.71°15'W.142 lks.dist.
 marked T 2 N R 2 W S 17 B T
 No suitable bearing trees available in sec.22;raise a
 mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high W.of cor.
 Pits impracticable.
 Land mountainous.
 Soil stony;3rd rate.
 Timber pine and aspen.
 Mountainous or heavily timbered land 80.00 chs.

June 1, 1904.

June 2, 1904,at 8 h.0 m.a.m.l.m.t.I set off 40°34'N.on
 lat.arc;32°12'N.on decl.arc, and determine the meridian
 with the solar at the cor.of secs.16,17,20, and 21.

Thence I run

On the 2nd day of June 1904

SUBDIVISION OF T.2 N.R.2 W.

Chains.	East on a random line bet. secs. 16 and 21
40.00	Set temp. $\frac{1}{2}$ sec.cor.
79.90	Intersect N. and S.line 5 lks.S.of the cor.of secs. 15-16 21 and 22; thence I run
	S. $89^{\circ}58'W.$ on a true line bet. secs. 16 and 21
	Over mountainous land through timber; ascending NE.slope.
.7.00	Ridge bears S.E. and N.W., 75 ft. above cor.
	Descend SW.slope.
17.00	Draw course SE., 150 ft. lower than spur; ascend NE.slope.
30.50	Ridge bears SE and NW. 200 ft. above draw; descend W.slope.
36.00	Draw course S.100 ft. below spur; ascend E.slope.
39.95	Set a granite stone 16x10x5 ins. 11 ins. in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from which
	A pine 8 ins. diam. bears N. $49^{\circ}15'W.$ 80 ft. dist. marked $\frac{1}{4}$ S 16 B T
	A pine 12 ins. diam. bears S. $3^{\circ}15'W.$ 102 lks. dist. marked $\frac{1}{4}$ S 21 B T
46.00	Spur projects S.100 ft. above draw; descend SW.slope.
54.00	Draw course SE., 100 ft. lower than spur; ascend SE.slope.
54.60	Old road bears NW. and SE.
70.00	Ridge bears SE. and NW.; descend rocky W.slope.
79.90	The cor.of secs. 16, 17, 20, and 21.
	Land mountainous.
	Soil stony; 3rd rate.
	Timber pine and aspen.
	Mountainous or heavily timbered land 79.90 chs.
	N. $0^{\circ}03'W.$ bet. secs. 16 and 17
	Over mountainous land; through timber ascending SW.slope.
10.00	Ridge bears SE. and NW., 100 ft. above cor.
37.00	Ridge bears NW. and SE., 300 ft. above cor.
	Ascend NE.slope.
40.00	Set a granite stone 18x12x5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which

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SUBDIVISION OF T.2 N.R.2 W.

- Chains A pine 20 ins.diam.bears N. $84^{\circ}30'$ W.73 lks.dist.
 marked $\frac{1}{4}$ S 17 B T
- A pine 20 ins.diam.bears S. $77^{\circ}E.56$ lks.dist.
 marked $\frac{1}{4}$ S 16 B T
- 55.50 Draw course SE.; trail bears NW.and SE.
Ascend SW.slope.
- 62.00 Spur projects NW.75 ft.above draw;descend NE.slope.
- 71.00 Ravine course NW.200 ft.below spur;trail in ravine bears
NW and SE.;ascend SW.slope.
- 79.00 Ridge bears NW.and SE.200 ft.above ravine;descend NE.
slope.
- 80.00 Set a granite stone 20x16x6 ins.15 ins.in the ground
for cor.of secs.8,9,16, and 17,marked with 4 notches on
S.and E.edges;from which
- A pine 16 ins.diam.bears N. $33^{\circ}30'$ E.97 lks.dist.
 marked T 2 N R 2 W S 9 B T
- A pine 15 ins.diam.bears S. $56^{\circ}E.75$ lks.dist.
 marked T 2 N R 2 W S 16 B T
- A pine 20 ins.diam.bears S. $74^{\circ}15'$ W.80 lks.dist.
 marked T 2 N R 2 W S 17 B T
- A pine 20 ins.diam.bears N. $60^{\circ}W.96$ lks.dist.
 marked T 2 N R 2 W S 8 B T
- Land mountainous.
- Soil stony;3rd rate.
- Timber pine and aspen.
- Mountainous or heavily timbered land 80.00 chs.
- At the noon hour the clouds obscure the sun,making it
impossible to take observation for lat.
-
- N. $89^{\circ}58'$ E.on a random line bet.secs.9 and 16
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 79.70 Interscct N.and S.line 30 lks.S.of the cor.of secs.9,10
15 and 16.Thence I run
- S. $89^{\circ}45'$ W.on a true line bet.secs.9 and 16

SUBDIVISION OF T.2 N.R.2 W.

Chains	Through pine timber and dense undergrowth.
15.50	Begin ascent rocky NE.slope.
39.85	Set a granite stone 20x12x7 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which A pine 24 ins.diam.bears N. $31^{\circ}W.54$ lks.dist. marked $\frac{1}{4}$ S 9 B T A pine 8 ins.diam.bears S. $41^{\circ}E.54$ lks.dist. marked $\frac{1}{4}$ S 16 B T
47.00	Spur projects NW.800 ft.above sec.cor. Descend SW.slope.
52.00	Head of draw, course NW.100 ft.lower than spur. Ascend rocky NE.slope.
79.70	The cor.of secs.8,9,16, and 17,200 ft.above head of draw. Land mountainous. Soil stony and sandy;2nd and 3rd rate. Timber pine and aspen. Mountainous or heavily timbered land 79.70 chs.

June 2: at 3 h.30 m.p.m.l.m.t. I set off $40^{\circ}35'N.$ on lat.
arc, $22^{\circ}14'N.$ on decl.arc; and determine a meridian with
the solar, at the cor.of secs.8,9,16, and 17.

Thence I run

N. $0^{\circ}03'W.$ bet.secs.8 and 9

Over mountainous land;through timber;descending rocky
NE.slope.

30.50	Draw, course SE.400 ft.below sec.cor.; thence along rocky broken E.slope.
40.00	Set a granite stone 18x12x8 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which A pine 24 ins.diam.bears S. $66^{\circ}W.137$ lks.dist. marked $\frac{1}{4}$ S 8 B T A pine 6 ins.diam.bears S. $42^{\circ}E.69$ lks.dist. marked $\frac{1}{4}$ S 9 B T
44.65	Government saw mill bears N. $51^{\circ}45'E.$
55.00	Draw course S.E.; enter scattering timber.

SUBDIVISION OF T.2 N.R.2 W.

Chains.

- 59.00 Point of spur projects SE.; descend NE.slope.
 78.00 Draw course SE., 150 ft. below spur;
 Ascend SW.slope.
 80.00 50 ft. above draw in small swamp,
 Set a granite stone 18x11x7 ins. 12 ins. in the ground
 for cor. of secs. 4, 5, 8, and 9, marked with 5 notches on S.
 and 4 notches on E.edges; from which
 A pine 26 ins. diam. bears N.54°30' E. 153 lks. dist.
 marked T 2 N R 2 W S 4 B T
 A pine 24 ins. diam. bears N.47°15' W. 101 lks. dist.
 marked T 2 N R 2 W S 5 B T
 No other bearing trees within limits; raise a mound of
 stone 2 ft. base 1½ ft. high W.of cor.
 Pits impracticable.
 Land mountainous.
 Soil stony; 3rd rate.
 Timber pine and aspen.
 Mountainous or heavily timbered land 80.00 chs.
-

N.89°45'E. on a random line bet. secs. 4 and 9

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.76 Intersect N. and S. line 7 lks. S. of the cor. of secs. 3, 4, 9
 and 10; thence I run
 S.89°42'W. on a true line bet. secs. 4 and 9
 over mountainous land; descending SW.slope.
 37.00 Leave open and enter timber bears NW. and SE.
 38.80 Left bank of Uintah River course SE.
 39.70 Right bank of Uintah River 90 lks. wide 3 ft. deep.
 39.88 Point for $\frac{1}{4}$ sec.cor. falls on rock in place 28x23x20 ins
 above ground, on which
 Cut a cross (X) at the corner point for $\frac{1}{4}$ sec.cor., mark d
 $\frac{1}{4}$ on N. of cross; from which
 A pine 6 ins. diam. bears N.57°30' W. 78 lks. dist.
 marked $\frac{1}{4}$ S 4 B T

SUBDIVISION OF T.2 N.R.2 W.

Chains	A pine 6 ins.diam.bears S. $63^{\circ}30'$ W.9 lks.dist. marked $\frac{1}{4}$ S 9 B T
42.50	Road bears NE.and SW.;bridge bears N. 45° E.5 chs.
43.50	Government saw mill bears S. 26° W.12 chs.dist.
53.20	Ditch to saw mill 3 ft.wide 2 ft.deep, course SE.
55.90	Road bears NW.and SE.;ascend NE.slope.
74.00	Spur projects SE.;descend SW.slope.
79.76	The cor.of secs.4,5,8, and 9. Land mountainous and level. Soil stony and sandy;2nd and 3rd rate. Mountainous or heavily timbered land 79.76 chs.
	N. $0^{\circ}03'$ W.on a random line bet.secs.4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.68	Intersect N.bdy.of Tp.25 lks.E.of the cor.of secs.4,5, 32 and 33, heretofore described in notes of N.bdy. Thence I run
	S. $0^{\circ}14'$ E.on a true line bet.secs.4 and 5 Over mountainous land along SW.slope;descend.
3.20	Road bears NW.and SE.
6.00	Descend 100 ft.to river bottom.
14.00	Leave open;enter dense timber bears NW.and SE.
28.00	Enter swamp.
37.50	Left bank of Uintah River course SE.
39.68	Point for $\frac{1}{4}$ sec.cor.falls in river.
42.00	Right bank of Uintah River;stream at this point 3 chs. wide 1 ft.deep, course SE.
42.20	On right bank of river, Set a granite stone 20x10x8 ins.15 ins.in the ground for witness $\frac{1}{4}$ sec.cor.,marked W C $\frac{1}{4}$ on W.face;from which A pine 10 ins.diam.bears N. 56° E.14 lks.dist. marked W C $\frac{1}{4}$ S 4 B T A pine 10 ins.diam.bears N. $82^{\circ}30'$ W.39 lks.dist. marked W C $\frac{1}{4}$ S 5 B T

SUBDIVISION OF T.2 N.R.2 W.

Chains

59.60 Slough 20 lks. wide 2 ft. deep, course SE.; leave swamp.

62.00 Road bears NW. and SE.; ascend NE. slope.

75.70 Spur projects SE., 100 ft. above river bottom; descend.

79.68 The cor. of secs. 4, 5, 8, and 9.

Land mountainous and level.

Soil stony and sandy, 2nd and 3rd rate.

Timber pine aspen and willows.

Mountainous or heavily timbered land 79.68 chs.

June 2d 1904.

June 4: At 8 h.0 m.a.m.l.m.t. I set off $40^{\circ}32'N.$ on lat. arc; $22^{\circ}27'N.$ on decl. arc, and determine a true meridian with the solar at the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the township, which is a trachyte stone 5x12x9 ins. above ground firmly set and marked and witnessed as described by Deputy Heist under his contract No. 266.

Thence I run

$W.0^{\circ}04'W.$ bet. secs. 31 and 32

Ascending gradual SW. slope over bench.

40.00 Set a granite stone 14x10x8 ins. 9 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.

Pits impracticable.

80.00 Set a granite stone 13x10x10 ins. 9 ins. in the ground for cor. of secs. 29, 30, 31, and 32, marked with 1 notch on S. and 5 notches on E. edges; raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.

Pits impracticable.

Land rolling mountains.

Soil stony; 3rd rate.

Sagebrush and bunch grass.

No timber.

Mountainous land 80.00 chs.

EXPLORATION DUE U.R.C. NO.

1,000 ft.

West on a ridge line bet. sec. 28 and 30

S.E. 1/4, 1/4 mile N.E. 1,000 ft.

Aug. 4 Int. point 1000 ft. S.E. 1/4 sec. 28, 28

N.E. 1/4, 1/2 mile E. 1 mi.

S.E. 1/4 sec. 28, 1/4 mile S.E. 1/4 sec. 28 and 30

Along northw. SE. slope on bench.

Aug. 6 Creek 2 miles long, deep, course SW.

Aug. 10 1000 ft. white stone 17x18x6 ins., 12 ins. in the ground
near surface, covered by talus; remains a small amount of stone
left, some 10 ft. back N.E. cor.

Bench 1000 ft. above.

Aug. 12 1000 ft. above N.E. cor. 30.

Aug. 13 Creek 12 lbs. wide, course SW.

Aug. 14 The N.E. 1/4 sec. 28, 30, 31, and 32.

Bench rolling, mostly fine.

Sand, talus; 20 ft. water.

Bench rock and gravel.

No surface.

Aug. 15 1000 ft. above 80.84 elev.

West on a ridge line bet. sec. 29 and 30

S.E. 1/4 sec. 29.

Aug. 16 Int. point 1000 ft. S.E. 1/4 sec. 29, 1/4 mile S.E. 1/4 sec. 28,

1/4 mile S.E. 1/4 sec. 28, 1/4 mile S.E. 1/4 sec. 28.

Aug. 17 1000 ft. white stone 17x18x6 ins., 12 ins. in the ground,
near surface, covered by talus; remains a small amount of stone
left, some 10 ft. back N.E. cor.

Aug. 18 1000 ft. S.E. 1/4 sec. 28, 1/4 mile S.E. 1/4 sec. 28.

Aug. 19 1000 ft. white stone 17x18x6 ins., 12 ins. in the ground,
near surface, covered by talus; remains a small amount of stone
left, some 10 ft. back N.E. cor.Aug. 20 1000 ft. white stone 17x18x6 ins., 12 ins. in the ground,
near surface, covered by talus; remains a small amount of stone
left, some 10 ft. back N.E. cor.Aug. 21 1000 ft. white stone 17x18x6 ins., 12 ins. in the ground,
near surface, covered by talus; remains a small amount of stone
left, some 10 ft. back N.E. cor.Aug. 22 1000 ft. white stone 17x18x6 ins., 12 ins. in the ground,
near surface, covered by talus; remains a small amount of stone
left, some 10 ft. back N.E. cor.Aug. 23 1000 ft. white stone 17x18x6 ins., 12 ins. in the ground,
near surface, covered by talus; remains a small amount of stone
left, some 10 ft. back N.E. cor.

SUBDIVISION OF T.3 N.R.2 W.

Chains.

- 47.00 Draw course SE.; ascend W.slope.
 56.00 Top of ascent 75 ft. above draw; line over bench.
 83.00 The cor. of secs. 29, 30, 31 and 32.
 From the cor. swamp about 20 acres bears N.45°W. 10 chs.
 Land rolling mountains.
 Soil sandy and stony; 3rd rate.
 Sagebrush and bunch grass.
 No timber.
 Mountainous land 82.00 chs.
 June 4: At 12 h.M. clouds obscure the sun, making it im-
 possible to take observation for lat.
-

N.0°04'W. bet. secs. 29 and 30

Ascending gradual S.slope; over bench.

- 40.00 Set a granite stone 14x8x8 ins. 9 ins. in the ground for
 $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; raise a mound of stone 2
 ft. base $1\frac{1}{2}$ ft. high W.of cor..
 Pits impracticable.
 48.00 Spring branch 4 lks.wide, 4 ins. deep, course SW.
 80.00 Set a granite stone 16x10x4 ins. 11 ins. in the ground
 for cor. of secs. 19, 20, 29 and 30, marked with 2 notches
 on S. and 5 notches on E.edge; raise a mound of stone 2
 ft. base $1\frac{1}{2}$ ft. high W.of cor..
 Pits impracticable.
 Land rolling mountains.
 Soil stony; 3rd rate.
 Sagebrush and bunch grass.
 No timber.
 Mountainous land 80.00 chs.

N.89°48'E. on a random line bet. secs. 20 and 29

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.20 Intersect N. and S. line 2 lks.S. of the cor. of secs. 20, 21
 and 29; thence I run

SUBDIVISION OF T.2 N.R.2 W.

Chains.	S.89°47'W.on a true line betsecs.20 and 29 Over mountainous land;descend SW.slope. Through scattering pine timber.
8.20	Draw,course SE.;ascend NE.slope.
13.00	Spur projects SE.70 ft.above draw;descend SW.slope.
24.00	Draw course SE.,100 ft.below spur. Ascend NE.slope.
40.10	On top of ridge bears NW.and SE.,150 ft.above draw, Set a granite stone 16x14x3 ins.11 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor.Pits impracticable. Descend SW.slope.
46.00	Creek 15 lks.wide,course SE.
52.00	Draw course SE.,100 ft.lower than $\frac{1}{4}$ sec.cor. Ascend NE.slope.
57.00	Spur projects SE. old road bears NW.and SE.on top of spur. Descend SW.slope..
59.00	Creek 15 lks.wide 1 ft.deep,course SE. Leave scattering timber;ascend NE.slope.
60.50	Spur projects SE.;descend SW.slope to cor.
80.20	The cor.of secs.19,20,29, and 30. Land mountainous,surface broken. Soil stony;3rd rate. Sagebrush and bunch grass.. Timber scattering pine. Mountainous land 80.20 chs.

	S.89°45'W.on a random line betsecs.19 and 30 40.00 Set temp. $\frac{1}{4}$ sec.cor.
81.95	Intersect W.bdy.of Tp.2 lks.N.of the cor.of secs.19,24 25, and 30,which is a quartzite stone 5x10x6 ins.above ground,firmlly set and marked and witnessed as described by Deputy Freudenthal,under his contract No.268. Thence I run

SUBDIVISION OF T.2 N.R.2 W.

- Chains. N. $89^{\circ}44' E.$ on a true line bet. secs. 19 and 30
Through timber; descending NE.slope.
- 8.50 Draw course SE. 100 ft. below cor.; ascend SW.slope.
- 23.00 Spur projects SE., 100 ft. above draw
Descend NE.slope.
- 37.00 Leave thick pine and aspen timber bears NW. and SE.
Enter scattering pine and aspen.
- 41.95 Set a granite stone 18x10x5 ins. 12 ins. in the ground
for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; raise a mound of stone
2 ft. base $1\frac{1}{2}$ ft. high N.of cor.
Pits impracticable.
- 56.00 Draw course SE.; ascend SW.slope to cor.
- 81.95 The cor. of secs. 19, 20, 29, and 30.
Land mountainous.
Soil stony; 3rd rate.
Timber pine and aspen.
Mountainous or heavily timbered land 81.95 chs.

June 4, 1904.

June 6, at 8 h.0 m.a.m.l.m.t. I set off $40^{\circ}33' N.$ on lat.
arc; $23^{\circ}40' N.$ on decl.arc and determine a true meridian
with the solar at the cor. of secs. 19, 20, 29, and 30.

Thence I run

$11.0^{\circ}04' W.$ bet. secs. 19 and 20

Over mountainous land; ascend SW.slope.

4.00 Enter pine timber bears E. and W. leave aspen and scatter-
ing pines bear E. and W.

40.00 Set a granite stone 14x10x8 ins. 9 ins. in the ground for
 $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which
A pine 8 ins. diam. bears S. $44^{\circ}E.$ 26 lks.dist.
marked $\frac{1}{4} S 20 B T$

A pine 10 ins. diam. bears S. $23^{\circ}W.$ 26 lks.dist.

marked $\frac{1}{4} S 19 B T$

80.00 Set a granite stone 12x10x8 ins. 8 ins. in the ground for

SUBDIVISION OF T.2 N.R.2 W.

Chains.	cor.of secs.17,18,19, and 20,marked with 5 notches on S. and 5 notches on N.edges;from which A pine 16 ins.diam.bears N. $44^{\circ}45'$ E.231 lks.dist. marked T 2 N R 2 W S 17 B T A pine 10 ins.diam.bears S. $87^{\circ}E.76$ lks.dist. marked T 2 N R 2 W S 20 B T A pine 5 ins.diam.bears S. $22^{\circ}W.46$ lks.dist. marked T 2 N R 2 W S 19 B T A pine 5 ins.diam.bears N. $28^{\circ}W.58$ lks.dist. marked T 2 N R 2 W S 18 B T Land mountainous. Soil stony;3rd rate. Timber pine and aspen. Mountainous or heavily timbered land 80.00 chs.
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40.00	N. $39^{\circ}47'$ E.on a random line betsecs.17 and 20 Set temp. $\frac{1}{4}$ sec.cor.
80.30	Intersect N.and S.line 2 lks.S.of the cor.of secs.16, 17,20, and 21;thence I run S. $89^{\circ}46'$ W.on a true line betsecs.17 and 20 Over mountainous land;through timber;descending SW.slope.
20.00	Lake 5 chs.long 3 chs.wide bears S.10 chs.dist.
36.00	Old road bears NW.and SE.,through scattering timber.
40.15	Set a granite stone 17x14x6 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which A pine 20 ins.diam.bears N. $62^{\circ}E.230$ lks.dist. marked $\frac{1}{4}$ S 17 B T No bearing tree S.of line within limits;raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high N.of cor. Pits impracticable.
43.00	Draw course SE.,300 ft.below sec.cor.; Ascend NE.slope.
60.00	Spur projects SE.;150 ft.above draw;descend SW.slope.
76.00	Greek 12 lks.wide course SE.

SUBDIVISION OF T.2 N.R.2 W.

Chains.

Ascend NE.slope to cor.

80.30 50 ft. above creek, the cor.of secs.17,18,19, and 20.

Land mountainous.

Soil stony;3rd rate.

Timber pine.

Mountainous or heavily timbered land 80.30 chs.

June 6: at 12 h.M.l.m.t.I set off $22^{\circ}41'N.$ on decl.arc and observe the sun on the meridian;the resulting lat. is $40^{\circ}34'N.$,which is practically the correct lat.S. $89^{\circ}44'W.$ on a random line bet.secs.18 and 1940.00 Set temp. $\frac{1}{2}$ sec.cor.

81.81 Intersect W.bdy.of Tp.at the cor.of secs.13,18,19, and 24,which is a quartzite stone 5x12x7 ins.above ground, firmly set and marked and witnessed as described by Deputy Freudenthal under his contract No.268.

Thence I run

N. $89^{\circ}44'E.$ on a true line bet.secs.18 and 19

Over mountainous land;through timber;descend NE.slope.

25.60 Draw course SE.,150 ft.below cor.

Ascend SW.slope.

35.00 Spur projects SE.;200 ft.above draw;descend NE.slope.

41.81 Set a granite stone 14x8x8 ins.9 ins.in the ground for $\frac{1}{2}$ sec.cor..marked $\frac{1}{2}$ on N.face;from whichA pine 8 ins.diam.bears N. $42^{\circ}W.$.88 lks.dist.marked $\frac{1}{2}$ S 18 B TA pine 10 ins.diam.bears S. $56^{\circ}E.$.22 lks.dist.marked $\frac{1}{2}$ S 19 B T

49.80 Head of draw,course SE.;ascend SW.slope.

63.80 Spur projects S.;descend NE.slope to cor.

81.81 The cor.of secs.17,18,19, and 20.

Land mountainous.

Soil stony;3rd rate.

Timber pine and aspen.

SUBDIVISION OF T.3 N.R.2 W.

Chains	Mountainous or heavily timbered land 81.81 chs.
4.00	N.0°04'W.bet.secs.17 and 18 Over mountainous land; through timber; descend NE.slope. Creek 12 lks.wide, course SW. Ascend rocky SW.slope.
32.00	500 Ft.above creek; thence along gradual SW.slope.
40.00	Set a granite stone 16x18x7 ins.ll ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which A pine 6 ins.diam.bears S.48°30'E.13 lks.dist. marked $\frac{1}{4}$ S 17 B T A pine 6 ins.diam.bears S.46°W.13 lks.dist. marked $\frac{1}{4}$ S 18 B T
80.00	Set a granite stone 16x18x7 ins.ll ins.in the ground for cor.or secs.7,8,17, and 18, marked with 4-notches on S.and 5 notches on N.edges; from which A pine 10 ins.diam.bears N.21°15'E.26 lks.dist. marked T 2 N R 2 W S 8 B T A pine 10 ins.diam.bears S.78°30'E.21 lks.dist. marked T 2 N R 2 W S 17 B T A pine 6 ins.diam.bears S.58°W.41 lks.dist. marked T 2 N R 2 W S 18 B T A pine 5 ins.diam.bears N.57°30'W.43 lks.dist. marked T 2 N R 2 W S 7 B T Land mountainous. Soil stony; 3rd rate. Timber pine and aspen. Mountainous or heavily timbered land 80.00 chs.
	June 6, 1904.
	June 7, 1904.
40.00	N.89°46'E.on a random line bet.secs.8 and 17 Set temp. $\frac{1}{4}$ sec.cor.

SUBDIVISION OF T.2 N.R.2 W.

- Chains
80.35 Intersect N.and S.line 2 lks.S.of the cor.of secs.8,9,
16, and 17; thence I run S. $89^{\circ}45'$ W.on a true line bet.secs.8 and 17
Over mountainous land; descend SW.slope.
3.00 Ridge bears NW.and SE.200 ft.above ravine; descend.
18.30 Draw course SE.250 ft.below cor.
Ascend NE.slope.
28.00 Point of spur projects SE.,200 ft.above draw; descend SW
slope.
40.17 $\frac{1}{2}$ Set a granite stone 18x8x6 ins.12 ins.in the ground for
 $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which
A pine 20 ins.diam.bears S. $46^{\circ}W$,45 lks.dist.
marked $\frac{1}{4}$ S.47 B T
A pine 14 ins.diam.bears N. $14^{\circ}W$.15 lks.dist.
marked $\frac{1}{4}$ S 8 B T
49.00 Draw course S.200 ft.below spur;ascend NE.slope.
69.00 Ridge bears NW.and SE.,150 ft.above draw;descend SW.
slope.
76.00 Draw course SE.;trail bears NW.and SE.
79.20 Spur projects SE;
Descend SW.slope to cor.
80.35 The cor.of secs.7,8,17, and 18.
Land mountainous.
Soil stony;3rd rate.
Timber pine and aspen.
Mountainous or heavily timbered land 80.35 chs.

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- S. $89^{\circ}44'$ W.on a random line bet.secs.7 and 18
40.00 Set temp. $\frac{1}{4}$ sec.cor.
81.75 Intersect W.bdy.of Tp.5 lks.N.of the cor.of secs.7,12,
13, and 18,which is a quartzite stone 14x12x6 ins.above
ground firmly set and marked and witnessed as described
by Deputy Freudenthal under his contract No.268.
Thence I run

SUBDIVISION OF T.2 N.R.2 W.

Chains	N. $89^{\circ}43' E.$ on a true line bet. secs. 7 and 18 Over mountainous land; through timber; ascending SW.slope.
21.75	Top of ascent 500 ft. above cor.; thence along S.slope. Point of spur projects SE.
29.00	Descend along SE.slope.
41.75	Set a granite stone 16x8x5 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from which A pine 7 ins.diam.bears S. $63^{\circ}30' W.$ 16 lks.dist. marked $\frac{1}{4}$ S 18 B T A pine 6 ins.diam.bears N. $63^{\circ}30' W.$ 14 lks.dist. marked $\frac{1}{4}$ S 7 B T $\frac{1}{4}$ sec.cor.150 ft.below spur.
81.75	The cor.of secs. 7,8,17, and 18;400 ft.below $\frac{1}{4}$ sec.cor. Land mountainous. Soil stony; 3rd rate. Timber pine and aspen. Mountainous or heavily timbered land 81.75 chs. June 7:Clouds obscure the sun take no observation for lat.this day.

June 7: At 3.h.0.m.p.m.l.m.t.the sun comes out; I set off $40^{\circ}35' N.$ on lat.arc; $22^{\circ}47' N.$ on decl.arc and determine a true meridian with the solar at the cor.of secs. 7,8,17 and 18.Thence I run

N. $0^{\circ}04' W.$ bet.secs.7 and 8

Over mountainous land; through timber.

1.00	Top of ridge bears NW.and SE.;descend NE.slope.
7.00	Ravine course SE.200 ft.below cor.;ascend SW.slope.
7.10	Trail bears NW.and SE.
24.00	Ridge bears NW.and SE.200 ft.above ravine; Descend steep NE.slope.
39.80	Ravine course NE.500 ft.below ridge.
40.00	Set a granite stone 20x11x6 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which

VI. TO N. 2 W

Chains. A pine 6 ins.diam.bears N. $40^{\circ}E$.29 lks.dist.
marked $\frac{1}{4}$ S 8 B T

A pine 30 ins.diam.bears N. $58^{\circ}W$.75 lks.dist.
marked $\frac{1}{4}$ S 7 B T

41.50 Point of spur projects NE.;descend N.slope 100 ft.

44.00 Ravine course E.;ascend S.slope.

46.00 Spur projects E.;descend NE.slope.

48.50 Ravine course S. $80^{\circ}E$.;ascend steep SW.slope.

63.00 Point of spur projects SE.,600 ft.above ravine.

Descend steep NE.slope.

75.00 Head of ravine course E.500 ft.below spur.

Ascend SE.slope 100 ft.to cor.

80.00 Set a quartzite stone 18x14x7 ins.12 ins.in the ground
for cor.of secs.5,6,7, and 8,marked with 5 notches on S.
and E.edges;from which

A fir 6 ins.diam.bears N. $2^{\circ}30' E$.136 lks.dist.
marked T 2 N R 2 W S 5 B T

A pine 7 ins.diam.bears S. $59^{\circ}E$.103 lks.dist.
marked T 2 N R 2 W S 8 B T

A pine 5 ins.diam.bears S. $88^{\circ}45' W$.33 lks.dist.
marked T 2 N R 2 W S 7 B T

A pine 5 ins.diam.bears N. $62^{\circ}30' W$.94 lks.dist.
marked T 2 N R 2 W S 6 B T

Land mountainous.

Soil stony;3rd rate.

Timber pine,fir, and aspen.

Mountainous land heavily timbered 80.00 chs.

June 7,1904.

June 8,at 8 h.0 m.a.m.l.m.t.I set off $40^{\circ}36'N$.on lat.
arc; $22^{\circ}52'N$.on decl.arc, and determine a true meridian
with the solar at the cor.of secs.5,6,7, and 8.Thence I
run

SUPERVISION OF T.2 N.R.2 W.

1.00	Starts.
40.00	N. $89^{\circ}45' E.$ on a random line bet. secs. 5 and 8 set temp. $\frac{1}{2}$ sec. cor.
20.40	Intersect N. and S. line at the cor. of secs. 4, 5, 6, and 9 Hence I run S. $89^{\circ}45' W.$ on a true line bet. secs. 5 and 8 over mountainous land; through timber and swamp.
4.00	Ravine course SE.; ascend NE. slope.
13.00	Point of spur projects NE.; descend NW. slope. Leave swamp.
16.00	Ravine course NE.; ascend SE. slope.
20.00	Top of ascent 75 ft. high; descend SW. slope.
24.00	Enter swampy land, bears NW. and SE.
27.00	Creek 4 lks. wide, 4 ins. deep, course SE.
30.00	Leave swampy land bears NW. and SE.
	Ascend NE. slope.
40.80	Set a granite stone 12x8x7 ins. 12 ins. in the ground for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; from which A pine 14 ins. diam. bears N. $46^{\circ}30' W.$ 61 lks. dist. marked $\frac{1}{2}$ S 5 B T A pine 14 ins. diam. bears S. $44^{\circ}E.$ 32 lks. dist. marked $\frac{1}{2}$ S 8 B T
45.00	Spur projects SE., 150 ft. above swamp along S. slope.
52.00	Spur projects SE.
	A lake about 3 acres in extent bears S. $30^{\circ}E.$ 14 chs. dist. Descend SW. slope.
67.00	Ravine course SE. 120 ft. below spur.
	Ascend NE. slope.
69.00	Point of spur projects NE.; descend NW. slope.
73.00	Ravine course NE. 150 ft. below spur.
	A steep SE. slope 200 ft. to cor.
80.40	The cor. of secs. 5, 6, 7, and 8. Lava mount incus. Soil stony; hard and dry rate. Timber pine, aspen and fir. Mount incus or heavily timbered land 20.40 chs.

SUBDIVISION OF T.2 N.R.2 W.

Chains.

S. $89^{\circ}43'$ W.on a random line betsecs.6 and 7

40.00 Set temp. $\frac{1}{4}$ sec.cor.

81.60 Intersect W.bdy.of Tp.at the cor.of secs.1,6,7, and 12, which is a quartzite stone 5x12x6 ins.above ground, firmly set and marked and witnessed as described by Deputy Freudenthal under his contract No.268.

Thence I run

N. $89^{\circ}43'$ E.on a true line betsecs.6 and 7

Over mountainous land;through timber ascending SW.slope.

16.00 Ridge bears NW.and SE.,300 ft.above corner.

Descend NE.slope.

41.60 Set a granite stone 18x11x5 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor..marked $\frac{1}{4}$ on N.face;from which

A pine 8 ins.diam.bears S. 48° E.8 lks.dist.

marked $\frac{1}{4}$ S 7 B T

A pine 8 ins.diam.bears N. 21° E.5 lks.dist.

marked $\frac{1}{4}$ S 6 B T

68.40 Ravine course NE.1200 ft.lower than ridge;ascend NW. slope.

75.60 Ridge bears NE.and SW.,350 ft.above ravine.

Descend steep SE.slope to cor.

81.60 The cor.of secs.5,6,7, and 8.

Land mountainous.

Soil stony;3rd rate.

Timber pine,fir, and aspen.

Mountainous or heavily timbered land 81.60 chs.

N. $0^{\circ}04'$ W.on a random line betsecs.5 and 6

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.50 Intersect N.bdy.of Tp.at the cor.of secs.5,6,31, and 32, heretofore described in notes of N.bdy.

Thence I run

S. $0^{\circ}04'$ E.on a true line betsecs.5 and 6

Over mountainous land;through timber,along steep E.slop .

SUBDIVISION OF T.2 N.R.2 W.

Chains

8.50 Spur projects SE.; descend SW.slope 500 ft.

23.00 Ravine course S.85°E.; ascend NE.slope.

33.00 Spur projects SE.100 ft. above ravine;
Descend SW.slope.

39.50 Set a granite stone 19x11x6 ins.14 ins.in the ground
for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
A pine 8 ins.diam.bears N.12°E.45 lks.dist.
marked $\frac{1}{4}$ S 5 B T
A pine 8 ins.diam.bears N.51°W.72 lks.dist.
marked $\frac{1}{4}$ S 6 B T

41.00 Ravine course E.;ascend steep NE.slope.

56.00 Ridge bears E.and W.350 ft.above ravine;descend SE.slope.

64.00 Ravine course SE.200 ft.below spur.
Ascend steep NE.slope.

77.00 Ridge bears E.and W.300 ft.above ravine;descend SE.slope
to cor.

79.50 The cor.of secs.5,6,7, and 8.
Land mountainous.
Soil stony;3rd rate.
Timber pine,aspen and fir.
Mountainous or heavily timbered land 79.50 ahs.

June 8, 1904.

GENERAL DESCRIPTION.

This township is almost entirely mountainous;the southwestern portion is open and covered with a fair growth of bunch grass;the river bottom is narrow,but could be cleared and cultivated,could be easily irrigated.

In the northwest quarter of the township is considerable pine timber available for lumber.

The township is generally most valuable for grazing purposes.

SUBDIVISION OF T.2 N.R.2 W.

The Government saw mill in section 9 is the only improvement in the township.

There are no settlers in the township. I found no indications of mineral in the township.

William Dallas
U.S. Deputy Surveyor.

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PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by
 United States Deputy Surveyor, to assist in running, measuring, and
 ing the lines and corners described in the foregoing field notes of the survey of
 ing the respective capacities in which they acted:

Chairman,

Chairman,

Moundman,

Moundman,

Arman,

Arman,

Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

United States Deputy Surveyor, in surveying all

parts or portions of the

of the

meridian, of which are represented

foregoing field notes as having been surveyed by him and under his direction; and that said survey
 been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
 monuments established, according to the instructions furnished by the United States Surveyor
 tal for

Chairman,

Chairman,

Moundman,

Moundman,

Arman,

Arman,

Flagman.

scribed and sworn to before me this }
 day of , 190 }
 100 }

000000
000000
000000

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _____, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from _____, United States Surveyor General for _____, bearing date of the _____ day of _____, 190_____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _____, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

Fairfield officially laid out N. of S.M.P. W.

of the _____

meridian, in the _____ of _____, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190_____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Halko City, Del., Nov. 12, 1901
*The foregoing field notes of the survey of the subdivision lines of
 Township 2 North Range 2 West of the Clinton
 Special Bar & Meridian, Dela.*

executed by *William Dallas*
 under his contract No. *267*, dated *July 20*, 1903, having been
 critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
 United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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de 2 Sept 20 1904
a.c.
481C.

BOOK A-304

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions of T. 3 N. R. 2 W.

of the Utah Special Base and Meridian,

Utah

AS SURVEYED BY

William Dallas, United States Deputy Surveyor,

Under his Contract No. 267, dated July 20th 1903, 189

Survey commenced June 9th 1904, 189

Survey completed June 27 1904, 189

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High. 60-03-00 X

NAMES AND DUTIES OF ASSISTANTS.

Wilfred B. Helme	Chamman
Chester Fleming	Chamman
Richard Hugh Camp	Mundman
Douglas King	Adman
Thomas Sands Doty	Flagman

For preliminary affidavits see book B, pp 2 MR2 M

6-161

Volume

#

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BOOK A-304

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31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We.....and.....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we assay measuring, to the best of our skill and ability, and in accordance with instructions given us, in the sub-

-----, Chairman

Subscribed and sworn to before me this
day of 190



We, and do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the surveying of the said town.

Subscribed and sworn to before me this }
day of , 190 }
.....



We, and do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corral and other duties, according to instructions given us, to the best of our skill and ability, in the surveying of land.

Subscribed and sworn to before me this _____ }
day of, _____, 190_____. }



Subscribed and sworn to before me this ...
day of 1900



Subdivision of T 3 N R 2 W

Survey commenced June 9th 1904 and executed with a D and L. E. Gurley Solar Camera with Telescope attachment. The horizontal limit is provided with double verniers placed opposite to each other and reading to single minutes or which is also the least count of the verniers of the Lat and Decl axes. The instrument was examined and tested on the True Meridian at Salt Lake City Utah May 6th 1904, found correct, and was approved by the Surveyor General for Utah. I examined the adjustments of the instrument and found them correct, then to test the solar apparatus by comparing its indications resulting from Solar observations made during AM and PM hours, with a Meridian determined by observations on Polaris, I proceed as follows, at the cor of Tps 2 and 3 N Rs 1 and 2 W of the Mintah Special Base and Meridian Utah, which is a sand stone 10x12x8 in. above ground firmly set and marked and witnessed as described by Deputy Martineau under his Contract No. 265 in Lat $40^{\circ} 36' 46''$ N Long $110^{\circ} 04' 19''$ W I set off $40^{\circ} 37' 11''$ m Lat and $22^{\circ} 58' 33''$ m Decl. and at 3^h P.M. C.M.T. determine a Meridian with the solar, and mark a point thereof on a stone firmly set in the ground 5 chs N of cor.

June 10th 1904 at 2^h 11^m A.M. L M.T. I observe Polaris at Eastern Elongation in accordance with the Manual of Instructions and mark a point in the line thus determined on a peg driven in the ground 5 chs N of my station.

June 10th 1904 at 8^h 00^m A.M. L M.T. I lay off the azimuth of Polaris $1^{\circ} 34' 30''$ to the W and mark the

Subdivision of T3N R2W

Cutting a small groove in the stone set June 9th on which the Meridian falls 0.2 ins E of the mark determined by the Solar at 9^h. 10^m A.M. S.m.t I set off 40°37'N on flat arc 23°02'N on Decl. arc, and mark a point in the Meridian determined with the Solar by a cross on the stone already set 5 Chs N of my station; this mark falls 0.3 ins E. of the Meridian established by the Polaris observation. The Solar apparatus by P.M. and A.M. observations defines position for Meridian 0°16'E of the Meridian established by Polaris observation.

I conclude the adjustments of the instrument are satisfactory. The Magnetic bearing of the true Meridian at 9^h 00^m A.M. is 116°45'W the angle thus determined gives the Magnetic Declination 16°45'E. From the Tp cor already described I retrace, back on S side of sec 36 and at 39.98 Chs intersect 1/4 sec cor and at 80.00 Chs cor of secs. 25, 30, 31 and 35. From E 1/4 dist. therefore the line bears N and as measurements practically agree I run as follows.

From the cor to secs 1, 2, 35 and 36 on S side of Tp. heretofore described.

June 10th 1904 at 10^h 30^m. A.M.
S.m.t I set off 40°37'N on flat arc 23°02'N on Decl. arc and determined a Meridian with the Solar. Thence I run.

Subdivision of T 3 N. R 2 W

100.	No. 1 W. bet secs 35 and 36. Descend N. slope through Pine timber 200 ft
7.00	Prairie course W. ascend S slope 800 ft
31.00	Ridge bears SW and descend N slope 60 ft
40.00	Set a Granite Stone 18x12x10 ins 12 ins in the ground, for 1/4 sec cor. marked 1/4 on W. face, from which. A Pine 7 ins diam bears S 63° 00' E. 20 lks dist marked 1/4 S 36. B.T.
	A. Pine 7 ins diam bears S 73° 30' W. 108 lks dist. marked 1/4 S 35. B.T.
	descend NW slope 400 ft
80.00	Set a Granite Stone 30x10x6 ins 23 ins in the ground, for the cor. of secs 25, 26, 35. and 36. marked with 1 notch on S. and 1 notch on E. edges, from which. A Pine 24 ins diam bears N 37° 30' E. 70 lks dist. marked T 3 N. R 2 W. S 25 B.T.
	A. Pine 6 ins diam bears S 86° 30' E. 23 lks dist. marked T 3 N. R 2 W. S 36. B.T.
	A. Pine 12 ins diam bears S 3° 45' W 33 lks dist. marked T 3 N. R 2 W S 35 B.T.
	A Pine 12 ins diam bears N 51° 30' W 53 lks dist. marked T 3 N. R 2 W S 26 B.T
	Land Mountainous Soil Stony 3 rd rate. Timber Pine
	Mountainous and Heavily timbered Land 80.00 chs
40.00	N 89° 47' E. on a random line bet secs 25 and 36 Set temp 1/4 sec cor.
79.96	Intersect the E. side of Tps 5 lks S of cor of secs 25, 30, 31, and 36, which is a Granite Stone 8x6x7 ins above ground marked and witnessed as described by the Surveyor General, thence I run S 89° 45' W. on a true line bet secs 25 and 36

Subdivision of T 3 N. R. 2 W.

Chs:	500 ft.
35.00	Spur projects. N.E. descend N.W. slope 100 ft.
39.98	Set a Granite Stone 16x14x8 ins 11 ins in the ground, for 1/4 Sec cor. marked 1/4 on N face, from which. A. Pine 8 ins diam bears S 4° 00' E. 44 lbs dist marked 1/4 S 36 B.T.
	A. Pine 8 ins diam bears N 26° 45' E. 24 lbs dist marked 1/4 S 25 B.T. cor in hollow ascend N.E. slope 150 ft
40.00	Spur projects N.E. descend N.W. slope 400 ft.
79.96	The cor of secs 25. 26. 35. and 36. Land Mountainous Soil rocky 3 rd rate Timber Pine Mountainous and Heavily timbered land 79.96 Chs

At 12 ^m	Clouds obscure the sun making it impossible to take observ. for lat.
No° 1' W.	bet secs 25 and 26. descend N.W. slope through Pine timber 100 ft
45.00	Ravine course S.W. ascend S.E. slope 700 ft
25.00	Spur projects S.W. descend N.W. slope 200 ft
40.00	Set a Granite Stone 16x12x6 ins 11 ins in the ground, for 1/4 sec. cor. marked 1/4 on W. face, from which. A. Pine 8 ins diam bears S 67° 00' E. 36 lbs dist marked 1/4 S 25. B.T.
	A Pine 8 ins diam bears N 69° 00' W. 8 lbs dist marked 1/4 S 26 B.T. descend N.W. slope 400 ft
54.00	Ravine course N.W. 4 chs wide.
72.20	Pole Creek 30 lbs wide 2 ft deep course S.W. ascend S.E. slope 120 ft
80.00	Set a Granite Stone 72x10x6 ins 18 ins in the ground, for the cor of secs. 23. 24. 25. and 26 marked with 2 notches on S. and 1 notch on E. edges, from which. A Pine 6 ins diam bears N 30° 15' E. 31 lbs dist marked T 3 N. R. 2 W. S 24. B.T.

Subdivision of T 3 N. R 2 W.

Chs.	<p>A Pine 6 ins diam bears $S 20^{\circ} 15' E.$ 28 lbs dist marked T 3 N. R. 2 W. S 25 B.T.</p> <p>A Pine 8 ins diam bears $S 51^{\circ} 00' W.$ 55 lbs dist marked T 3 N. R. 2 W. S 26. B. T</p> <p>A. Pine 5 ins diam bears $N 23^{\circ} 30' W.$ 25 lbs dist marked T 3 N. R. 2 W. S 23 B.T.</p> <p style="text-align: center;"><i>Land Mountainous Soil Stony 3rd rate Timber Pine</i></p> <p>Mountainous and Heavily timbered Land 80. 00 chs</p>
------	---

June 10th 1904

40.00	<p>June 11th 1904, at 8:00 a.m. A.M. L.M.T. I set off $40^{\circ} 38' N.$ Lat. and $23^{\circ} 06' W.$ Lon the Decl Arc. and determine a Merid- ian with the Solar, at the cor of sec. 23, 24, 25, and 26. thence I run $N 89^{\circ} 45' E.$ on a random line bet secs 24 and 25 Set temp $\frac{1}{4}$ sec cor.</p>
79.92	<p>Intersect the E. bdy of $\frac{1}{4}$ 9 lbs N of cor of secs 19, 24, 25, and 30. which is a Granite Stone $4 \times 10 \times 6$ ins above ground marked and witnessed as described by the Surveyor of General, thence I run $S 89^{\circ} 49' W.$ on a true line. bet secs 24 and 25 Descend NW. slope through Pine timber 300 ft</p>
26.00	<p>Ravine course NW. ascend NE. slope 150 ft</p>
32.00	<p>Point of NE. slope, descend NW. slope 250 ft</p>
39.96	<p>Set a Granite Stone $16 \times 18 \times 7$ ins 11 ins in the ground for $\frac{1}{4}$ sec cor. marked 90 on N. face. from which.</p>
73.70	<p>A. Pine 8 ins diam bears $N 2^{\circ} 45' E.$ 41 lbs dist marked $\frac{1}{4}$ S 24 B.T.</p> <p>A Pine 6 ins diam bears $S 28^{\circ} 45' E.$ 10 lbs dist marked $\frac{1}{4}$ S 25 B.T. descend NW. slope 1000 ft Pole Creek 40 lbs wide 1 ft deep course SW. ascend S.E. slope 75 ft</p>
78.50	<p>thence along S. slope.</p>
79.92	<p>The cor. of secs. 23, 24, 25 and 26.</p> <p style="text-align: center;"><i>Land mountainous</i></p>

Sub-division of T3 N. R. 2 W

Soil rocky 3rd rate

Timber Pine

Mountainous and Heavily timbered Land
79.92 Chs

110° 1' W. bet secs. 23 and 24.

Ascend S.E. slope through Pine timber
100 ft

11.00 Ridge in S.W. quad descend NW slope 100 ft

16.00 Creek 20 ft wide 1 ft deep course SW.
ascend S slope 500 ft.

40.00 Set a Granite Stone 14 x 12 x 8 ins 10 ins in the
ground for 1/4 sec cor. marked 1/4 on
W. face. from which.

A Pine 8 ins diam bears S 80° 30' E. 68 ft dist
marked 1/4 S 24 B.T.

A Pine 12 ins diam bears N 80° 00' W. 113 ft
dist. marked 1/4 S 23 B.T. ascend
S slope 500 ft

7000 Hence gradual S. slope

80.00 Set a Granite Stone 17 x 11 x 6 ins 12 ins in the
ground, for the cor of secs 13, 14, 23, and 24
marked with 3 notches on S. and 1 notch
on E. edges. from which.

A Pine 15 ins diam bears N 28° 30' E. 113 ft
dist. marked T3 N. R 2 W. S 13 B.T.

A Pine 18 ins diam bears S 70° 00' E. 126 ft
dist. marked T3 N. R 2 W. S 24 B.T.

A Pine 14 ins diam bears S 28° 30' W. 161 ft
dist. marked T3 N. R. 2 W. S. 23 B.T.

A Pine 10 ins diam bears N 77° 00' W. 18 ft
dist. marked T3 N. R. 2 W. S 14 B.T.

Land Mountainous

Soil rocky 3rd rate

Timber Pine

Mountainous and Heavily timbered Land
80.00 Chs

It 12^m. clouds obscure the Sun making
it impossible to take flat fence lines
N 89° 49' E. on a random line bet secs 13 and 24

Subdivision of T 3 N. R 2 W

40.00	Set temp 1/4 sec cor.
79.90	I intersect S. bdy of ts at the cor of secs 13. 24. 18. and 19. which is a Granite Stone 7x10x5 in above ground marked and witnessed as described by the Surveyor. General. thence I run $S 89^{\circ} 49' W$ on a true line bet secs 13 and 24 Ascend S.E. slope through Pine timber 400 ft Ridge bears N. S. descend SW slope 100 ft
16.00	Ridge bears N. S. descend SW slope 100 ft
22.00	Thence along S. slope
39.95	Set a Granite Stone 18x10x6 in 12 in in the ground for 1/4 sec cor. marked 1/4 on N. face from which. A Pine 12 in diam bears $S 70^{\circ} 30' E$. 52 lhos dist. marked 1/4 S 24 B.T.
52.00	A Pine 16 in diam bears $N 44^{\circ} 00' W$. 38 lhos dist marked 1/4 S 13 B.T. Ascend S.E. slope 75 ft ^{1/4 cor in hollow drainage S.} Spur projects S. descend SW slope 150 ft
65.00	Head of Ravine course S. ascend S.E. slope 75 ft
79.90	the cor of secs. 13. 14. 23. and 24. Land Mountainous Soil rocky 3rd rate Timber Pine Mountainous and Heavily timbered land 79.90 chs

June 11th 1904

25.00	No 1 W. Set secs. 13 and 14. Ascend S.E. slope through Pine timber 200 ft Spur projects S.E. descend NE slope 100 ft
40.00	Set a Granite Stone 16x10x7 in 11 in in the ground for 1/4 sec cor. marked 1/4 on W. face, from which A Pine 24 in diam bears West 15 lhos dist marked 1/4 S 14 B.T.
55.00	A Pine 16 in diam bears $S 46^{\circ} 00' E$. 35 lhos dist marked 1/4 S 13 B.T. Ascend SW slope 150 ft ^{1/4 cor in hollow drainage S.} Spur projects S.E. descend NW slope 200 ft
80.00	Set a Granite Stone 16x12x8 in 11 in in the ground. for cor of secs 11. 12. 13 and 14. marked with 4 notches on S. and 1 notch on E. ed. from which

Subdivision of T 3 N. R 2 W.

marked T 3 N. R 2 W. S 12 B.T.
 A Pine 5 ins diam bears S 53° 00' E. 31 lbs dist
 marked T 3 N. R 2 W. S 13 B.T.
 A Pine 8 ins diam bears S 62° 30' W. 34 lbs dist
 marked T 3 N. R 2 W. S 14 B.T.
 A Pine 12 ins diam bears N 30° 15' W. 20 lbs dist
 marked T 3 N. R 2 W. S 11 B.T.
 Land Mountainous
 Soil rocky 3rd rate
 Timber Pine
 Mountainous and Heavily timbered Land
 80.00 chrs

June 12th 1904. At 10th 30th A.M. I m.m.T.
 I set off 40° 40' on the Lat Arc. 23° 10' N
 on Decl Arc. and determine a Meridian
 with the Solar. at the cor of secs. 11, 12, 13 and 14
 Thence I run
 N 89° 49' E. on a random line bet secs 12 and 13
 4000 Set temp 1/4 sec cor.
 80.00 Intersect E. bdy of tp 4 lbs S of cor of secs
 7, 12, 13, and 18. which is a Granite Stone 6 x 10 x 6
 ins above ground marked and witnessed as
 described by the Surveyor General.
 Thence I run
 S 89° 47' W. on a true line bet secs 12 and 13
 Along W.E. slope through Pine timber
 6.00 Pole Creek 20 lbs wide 1 ft deep course W.E.
 ascend S.E. slope 50 ft
 2700 Point of Spur projects S.E. descend SW slope 80 ft
 40.00 Set a Granite Stone 16 x 11 x 6 ins 11 ins in the ground
 for 1/4 sec cor. marked 1/4 on N. face from which
 A Pine 14 ins diam bears N 64° 30' W. 9 lbs dist
 marked 1/4 S 12 B.T.
 A Pine 6 ins diam bears S 45° 00' E. 10 lbs dist
 marked 1/4 S 13 B.T. descend SW slope 40 ft
 43.00 Pole Creek 15 lbs wide 1 ft. deep course S.E. ascend
 W.E. slope 200 ft
 80.00 the cor of secs. 11, 12, 13, and 14.
 Land Mountainous
 Soil rocky 3rd Rate

Subdivision of T 3 N. R 2 W.

Timber Pine

Mountainous and heavily timbered land
80.00 chs

June 12th 1904. At 12th 00 m. M. I set off
23° 10' N. on Decl. arc. and observe the
Sun, on the Meridian, the resulting
Lat is 40° 40' + N the proper Lat nearly.
Thence I run

No° 1° W. bet secs 11 and 12.

Descend N.E. slope through Pine timber
100 ft.

- 18.00 Creek 8 ltrs wide 10 ins deep course S.E.
Ascend SW slope 700 ft.
- 22.00 Trail bears N.E. and SW.
- 34.00 Spur projects S.E. descend N.E. slope 50 ft.
- 38.50 Ravine course S.E. ascend SW slope 50 ft
- 40.00 Set a Granite Stone 18 x 15 x 8 ins 12 ins in the ground
for cor of sec. marked 1/4 on W. face from which
A Pine 14 ins diam bears N 33° 00' E. 33 ltrs dist
marked 1/4 S 12 B.T.
- A Pine 14 ins diam bears S 35° 00' W. 16 ltrs dist
marked 1/4 S 11 B.T. ascend S.E. slope 100 ft
- 57.00 Creek 10 ltrs wide 4 ins deep course S.E.
- 65.00 Spur projects S.E. descend N.E. slope 75 ft
- 74.00 Ravine course S.E. ascend S. slope 100 ft
- 80.00 Set a Granite Stone 20 x 11 x 6 ins 15 ins in the ground
for cor of secs. 1. 2. 11. and 12. marked
with 5 notches on S. and 1 notch on E.
edges. from which.
- A Pine 5 ins diam. bears N 78° 00' E. 27 ltrs
dist; marked T 3 N. R 2 W. S 1 B.T.
- A Pine 18 ins diam bears S 45° 00' E. 36 ltrs dist
marked T 3 N. R 2 W. S 12 B.T.
- A Pine 4 ins diam bears S 10° 00' W. 87 ltrs dist
marked T 3 N. R 2 W. S 11 B.T.
- A Pine 12 ins diam bears N 76° 30' W. 59 ltrs dist
marked T 3 N. R 2 W. S 2 B.T.

Land Mountainous

Soil rocky 3rd rate

river Pine

Subdivision of T 3 N. R 2 W.

	MOUNTAINOUS AND HEAVILY TIMBERED LAND 80.00 chs
40.00	N 89° 47' E. on a random line bet secs 1 and 12 Set temp $\frac{1}{4}$ sec cor.
79.82	Intersect the E. bdy of Tp. at the cor. of secs. 1, 6, 7, and 12, which is a Granite stone 7x 10x5 ins above ground, marked and witnessed as described by the Surveyor General. Thence I run
18.00	S 89° 47' W. on a true line bet secs 1 and 12 Ascend S.E. slope through Pine timber 100 ft
24.00	Spur projects S. descend S.W. slope 75 ft Creek 10 ltrs wide, 1 ft deep course SW, ascend
35.00	S.E. slope 75 ft Spur projects SW. thence along S slope.
39.91	Set a Granite stone 16x15x8 ins 11 ins in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, from which, A Pine 18 ins diam bears N 12° 00' W. 8 ltrs dist marked $\frac{1}{4}$ S 1 B.T. A Pine 8 ins diam bears S 10° 00' W. 23 ltrs dist marked $\frac{1}{4}$ S 12 B.T.
68.00	A lake containing about 15 acres, bears S. 12.06 chs Ascend SE slope 100 ft
74.00	Spur projects SW. descend SW slope 50 ft
79.82	Ravine course S.E. ascend NE. slope 100 ft The cor to secs. 1, 2, 11, and 12.
	Land Mountainous Soil rocky 3rd rate Timber Pine
	MOUNTAINOUS AND HEAVILY TIMBERED LAND 79.82 chs June 12 d 1904.

	June 14th 1904.
40.00	No° 1' W. on a random line bet secs. 1 and 2 Set temp $\frac{1}{4}$ sec. cor.
80.02	Intersect N. bdy of Tp. 35 ltrs E. of cor of secs 1, 2, 35, and 36, which is a Sandstone 7x10x5 ins above ground, marked and witnessed as described by the Surveyor General, thence I run S 0° 16' E. on a true line bet secs 1 and 2. Descend S slope through Pine timber 300 ft

Subdivision of T 3 N. R 2 W.

44.02	Set a Granite stone 18x14x8 in 12 in in the ground for 1/4 sec cor. marked 1/4 on W face, from which A Pine 18 in diam bears S 86° 00' E. 39 lbs dist marked 1/4 S 1 B.T.
43.50	A Pine 18 in diam bears N 49° W 29 lbs dist marked 1/4 S 2 B.T. descend SW slope 50 ft Creek 10 lbs wide 1 ft deep course S.E. ascend N.E. slope 100 ft.
60.00	Spur projects S.E. descend S.E. slope 150 ft
80.02	The cor of secs 1, 2, 11 and 12. Land Mountainous Soil rocky 3rd rate Timber Pine Mountainous or heavily timbered land 8002 Chs

June 14th 1904. At 12 M Clouds obscure the Sun making it impossible to take obs. for lat.

From the cor of Secs 2, 3, 34 and 35 on S Edg of T.P. heretofore described.

At 2 h 30 m P.M. L.M.T. I set off 40° 37' + on Lat Arc. 23° 17' N. on Decl Arc. and determine a Meridian with the Solar, hence I run N 0° 2' W. bet secs 34 and 35.

Ascend S.E. slope through Pine timber 100 ft Spur projects S.W. leave timber bears E and W Descend N.W. slope 100 ft.

Set a Granite stone 16 x 12 x 7 in 11 in in the ground for 1/4 sec cor. marked 1/4 on W face, from which A Pine 18 in diam bears N 1° 35' E. 240 lbs dist marked 1/4 S 35 B.T.

A Pine 18 in diam bears N 0° 45' W. 267 lbs dist. marked 1/4 S 34 B.T. thence along gradual E. slope.

Enter Aspen timber bears N.E. and S.W.

Pole Creek 15 lbs wide 1 ft deep course S.W.

Leave timber bears N.E. and S.W.

Trail bears N.E. and S.W.

Ascend S.E. slope 100 ft.

Subdivision of T 3 N. R 2 W.

for the cor of secs 26, 27, 34, and 35, marked with 1 notch on S. and 2 notches on E edges and raised a mound of stone 2 ft base $1\frac{1}{2}$ ft high W. of cor. This impracticable

Land mountainous

Soil rocky 3rd rate

Timber pine

Mountainous or heavily timbered land
80.00 chs

$N 89^{\circ} 47' E.$ on a random line bet secs 26 and 35

40.00 Set temp $\frac{1}{4}$ sec cor.

79.80 Intersect N and S line 9 lbs N of cor of secs 25, 26, 35, and 36. thence run $S 89^{\circ} 51' W.$ on a true line bet secs 26 and 35 Descend NW. slope through Pine timber 500 ft

14.50 Ravine course SW. ascend S.E. slope 100 ft

2500 Spur projects SW. descend SW slope 100 ft

33.00 Head of Ravine course SW. ascend S.E. slope 80 ft

37.00 Leave timber bears NW. and S.

39.90 Set a Granite stone 15 x 10 x 5 ins 10 ins in the ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on N face and raised a mound of stone 2 ft base $1\frac{1}{2}$ ft high N. of cor. This impracticable Ascend S.E. slope 50 ft.

45.00 Spur projects SW. descend NW slope 400 ft

46.00 Enter pine timber bears N.E. and SW.

67.65 Pole creek 12 lbs wide 1 ft deep course SW.

69.00 Leave timber bears N.E. and SW. ascend S.E. slope 200 ft.

72.00 Trail bears N.E. and SW.

79.80 The cor of secs, 26, 27, 34 and 35.

Land mountainous

Soil rocky 3rd rate

Timber pine

Mountainous or heavily timbered land

79.80 chs

June 14th 1904

Subdivision of T 3 N R 2 W.

June 15th 1904. At 8^h 25^m. f.m. I set off
40° 38' on the Lat line. 23° 20' N. on Decl line.
and determine a Meridian with the
Solar at the cor. of secs. 26, 27, 34, and 35.

Thence I run

N 0° 2' W. bet secs. 26 and 27.
ascend S.E. slope 250 ft.

- | | |
|-------|--|
| 12.00 | Enter Aspen timber bears E and W. |
| 19.00 | Spur projects S.E. enter heavy Pine timber
bear N.W. and S.E. descend N.E. slope 100 ft. |
| 36.00 | Ravine course S.E. ascend SW slope 40°. |
| 40.00 | Set a Granite Stone 18x13x5 ins 12 ins in the ground
for 1/4 sec cor. marked 40 on W. face from which
A Pine 5 ins diam bears N 72° 00' E. 19 lbs dist
marked 1/4 S 26 B.T. |
| | A Pine 5 ins diam bears N 61° 00' W. 10 lbs dist
marked 1/4 S 27 B.T. |
| | Ascend SW slope 30 ft. |
| 41.00 | Spur projects S.E. descended N.E. slope 50 ft. |
| 47.00 | Ravine course S.E. ascend SW slope 800 ft. |
| 50.00 | Set a Granite Stone 16x12x7 ins 11 ins in the ground
for cor of secs 22, 23, 26 and 27. marked
with 2 notches on S. and 2 notches on E.
edges from which |
| | An Aspen 5 ins diam bears N 54° 00' E. 19 lbs dist
marked T 3 N. R 2 W. S 23 B.T. |
| | An Aspen 4 ins diam bears S 61° 45' E. 34 lbs dist
marked T 3 N. R 2 W. S 26 B.T. |
| | An Aspen 6 ins diam bears S 69° 30' W. 12 lbs dist
marked T 3 N. R 2 W. S 27 B.T. |
| | An Aspen 4 ins diam bears N 14° 30' W. 17 lbs dist
marked T 3 N. R 2 W. S 22 B.T. |

Land Mountainous
Soil rocky 3rd Rate
Timber Pine

Mountainous and Heavily timbered Land
80.00 Chs

40.00 1189° 51' E. on a ran down line bet secs 23 and 26
Set traps 1/4 sec cor.

nd S line 11 cor.

Subdivision of T 3 N R 2 W

	Sec. 23, 24, 25, and 26, timber claim. S 89° 54' W on a true line bet. secs. 23 and 26 Second S.E. side through heavy pine and aspen timber 75 ft.
9.00	Ridge line. S 15° E. ascend NE. slope 140° to ridge line with 1 ft deep cañon SW. ascend S.E. slope 1000 ft.
11.75	Creek 20 ft wide 1 ft deep comes SW. ascend S.E. slope 1000 ft.
40.00	Set a Granite Stone 18x14x7. ins 12 ins in the ground for 1/4 sec cor. marked 44 on W face from which
	The Aspens 5 ins diam bears N 37° 00' E. 31 th. dist marked 44 S 23 B.T.
	A Pine 7 ins diam line. S 61° 00' W 7 th. dist marked 44 S 26 B.T. second S.E. slope 300 ft decend NW slope 300 ft
67.50	Spar projects SW. trail bears SW and NE. decend NW slope 300 ft ascend SW slope.
71.00	the cor of sec. 22, 23, 26, and 27.
80.00	Land Mountainous Soil rocky 3rd rate timber Pine and Aspen Mountainous and Heavily timbered land 80.00 chs
	At 12 m Clouds obscure the sun making it impossible to take observations.
	110° 2' W. bet secs 22 and 23.
	Ascend S.W. slope through heavy Pine and Aspen timber 900 ft
40.00	Set a Granite Stone 20x12x8 ins 15 ins in the ground for 1/4 sec cor. marked 44 on W face from which.
	A Pine 8 ins diam bears N 72° 00' E. 19 th. dist Marked 44 S 23 B.T.
	A Pine 10 ins diam bears S 52° 00' W 31 th. dist marked 44 S 23 B.T. ascend SW. slope 500 ft
66.00	Set a Granite Stone 18x16x10 ins 12 ins in the ground, for the cor of secs. 14, 15, 22 and 23, marked with 3 notches on S and 2 notches on E. edges, from which.
80.00	A Pine 16 ins diam bears N 28° 00' E. 62 th. dist

Subdivision of T 3 N. R 2 W.

marked T 3 N. R 2 W. S 14 B.T.

A Pine 40 in diam bears S 74° 00' E. 68 lbs

marked T 3 N. R. 2 W. S 23 B.T.

A Pine 30 in diam bears S 33° 00' W. 35 lbs dist

marked T 3 N. R. 2 W. S 22 B.T.

A Pine 24 in diam bears N 20° 00' W. 51 lbs dist

marked T 3 N. R 2 W. S 15 B.T.

Land Mountainous

Soil rocky 3rd rate

Timber Pine and Aspen

Mountainous and heavily timbered Land

80.00 chs

N 89° 54' E. on a random line bet secs. 14 and 23

40.00 Set temp 1/4 sec cor.

79.85 Intersect N. and S. line 12 lbs N of cor
of secs. 13, 14, 23, and 24. thence turn

S 89° 59' W. on a true line bet Secs. 14 and 23.

Ascend S.E. slope 40 ft through Pine timber
thence along gradual S. slope.

39.92 1/2 Set a Granite Stone 24 x 12 x 6 ins 18 ins in the
ground for 1/4 Sec cor. marked 1/4 on N
face from which.

A Pine 7 ins diam bears N 50° 00' E. 10 lbs dist
marked 1/4 S 14 B.T.

A Pine 26 in diam bears S 71° 00' E. 43 lbs dist
marked 1/4 S 23 B.T. along S slope

Creek 3 lbs wide 6 in deep course S.E.

ascend S.E. slope 75 ft.

65.70 Trail bears NW and S.E.

79.85 the cor of secs. 14, 15, 22, and 23.

Land Mountainous

Soil rocky 3rd rate

Timber Pine

Mountainous and Heavily timbered Land

79.85 chs

June 15th 1904.

16th 1904.

No 2' W. bet secs 14 and 15.

ascend S.E. slope through Pine timber 300 ft

Subdivision of T 3 N. R 2 W

- 39.50 Pine Course S.E.
- 40.00 Set a Granite Stone 18x12x15 in 12 ins in the ground for 1/4 sec cor. marked 1/4 on W face from which.
A Pine 24 ins diam bears $N 47^{\circ} 00' E$ 11 lbs dist marked 1/4 S 14 B.T.
- A Pine 16 ins diam bears $N 29^{\circ} 00' W$ 28 lbs dist marked 1/4 S 15 B.T. ascend S.E. slope 500 ft
- 80.00 Set a Granite Stone 30x18x8 ins 24 ins in the ground for the cor of secs 10, 11, 14, and 15 marked with 4 notches on S and 2 notches on E. edges, from which.
A Pine 18 ins diam bears $N 33^{\circ} 30' E$. 37 lbs dist marked T 3 N. R 2 W S. 11 B.T.
- A Pine 18 ins diam bears $S 23^{\circ} 45' E$. 41 lbs dist marked T 3 N. R 2 W S 14 B.T.
- A Pine 6 ins diam bears $S 31^{\circ} 00' W$ 32 lbs dist marked T 3 N. R 2 W. S 15 B.T.
- A Pine 12 ins diam bears $N 89^{\circ} 00' W$. 107 lbs dist marked T 3 N. R 2 W S 10 B.T.

Land Mountainous
Soil rocky 3rd Rate
Timber Pine

Mountainous and Nearly timbered Land
80.00 ac.

- $N 89^{\circ} 59' E$. on a rare down line bet Secs 11 and 14
- 40.00 Set temp. 1/4 Sec cor.
- 79.70 Intersect N and S line 18 lbs S of cor of secs 11, 12, 13, and 14, thence descend $S 89^{\circ} 51' W$ on a true line bet Secs 11 and 14 ascend N.E. slope 200 ft through heavy Pine timber.
- 39.85 Set a Granite Stone 20x11x7 in 15 ins in the ground for 1/4 sec cor. marked 1/4 on N face from which.
A Pine 12 ins diam bears $N 27^{\circ} 00' E$. 23 lbs dist, marked 1/4 S 11 B.T.
- A Pine 12 ins diam bears $S 3^{\circ} 30' W$. 14 lbs dist marked 1/4 S 11 B.T.
ascend N.E. slope 100 ft.

Subdivision of T 3 N. R 2 W.

- 145.50 Trail from 77 E. and S. E.
 75.00 Pine along S. slopes
 79.70 The cor. of secs 10, 11, 14 and 15
 Land Mountainous
 Soil rocky & stony
 Timber Pine

Mountainous and Heavily timbered Land.
 79.70 etc.

At the above cor. at 12th corner in Section
 Set off 23° 28' N. on R. side and
 observe the Sun as it passes the N. side
 the resulting Lat. time 100° 15' N.
 which is practically correct, but
 since I have

No. 2 W. bet. secs. 10 and 11

Second S.E. slope through timber 50 ft.
 Spruce projects S.E. Second N.E. slope 50 ft.

Pine comes S.E. second S.E. slope 50 ft.

Set a Granite Stone 18 1/2 x 18 in. 12 m. in the ground
 for W. sec cor. measured west 45° 30' S.
 from N. side.

A Pine 12 in. diam. bears S 45° 30' E. 55 ft. N.
 marked 74 S 11 15' E.

A Pine 12 in. diam. bears N 75° 30' W. 21 ft. N.
 marked 74 S 10 15' E. second N.E. slope 50 ft.

64.00 Ridge line. North side east 11° slope 50 ft.

68.00 Pinus Canad. S.E. second N.E. slope 50 ft.
 Set a Granite Stone 20 1/2 x 18 in. 12 m. in the
 ground for cor. of secs 2 & 3 " N. side
 marked with 3 notches on S. and 2

notches on E. slope 50 ft. N. side.

A Pine 20 in. diam. bears N 75° 30' E. 75 ft.
 not marked T 3 N. R. 2 W. S 2 15' E.

A Pine 16 in. diam. bears S 86° 00' E. 56 ft.
 set marked T 3 N. 17 2 W. S 4 15' E.

A Pine 10 in. diam. bears S 05° 30' E. 42 ft.
 dist marked T 3 N. 17 2 W. S 4 15' E.

A Pine 16 in. diam. bears N 75° 00' W. 59 ft.
 dist marked T 3 N. 17 2 W. S 3 15' E.

Land Mountainous

Subdivision of T 3 N R 2 W.

Soil rocky 3rd rate
Timber Pine
Mountainous and Heavily timbered Land
80.00 Chs

June 16th 1904. At 2:00 P.M. I set T.
I set off 40° 41' on the Lat Arc. 23° 22' N on
Decl Arc. and determine a Meridian
with the Solar, at the cor. of secs. 2. 3. 10 and 11.
Thence I run

N 89° 51' E on a random line bet Secs 2 and 11

40.00 Set temp $\frac{1}{4}$ sec cor.

79.82 Intersect N. and S. line 21 lls N of
the cor of secs 1. 2. 11. and 12. thence I run
West on a true line bet secs 2 and 11
along S slope through heavy Pine Timber Desc.

5.70 Draw bears S.E. ascend gradual N.E. slope 100 ft
39.91 Set a Granite Stone 18x10x6 ins 12 ins in the ground
for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on N face, from
which

A Pine 18 ins diam bears N 47° 30' W. 29 lls dist
marked $\frac{1}{4}$ S. 2 B.T.

A Pine 18 ins diam bears S 29° 00' E. 54 lls dist
marked $\frac{1}{4}$ S 11 B.T. ascend N.E. slope 100 ft
Ridge bears S.E. ascend S.E. slope 300 ft
79.00 ^{Ridge corner}
79.82 the cor of secs. 2. 3. 10. and 11.

Land Mountainous
Soil rocky 3rd rate
Timber Pine

Mountainous and Heavily timbered Land
79.82 Chs

No 2' W. on a random line bet sec. 2 and 3
40.00 Set temp $\frac{1}{4}$ sec cor.

80.20 Intersect N. bdg of tp 35 lls E of the cor
of secs 2. 3. 34. and 35. which is a
Sandstone 8x10x5 ins above ground &
marked and witnessed as described
by the Surveyor General. thence I run
S 0° 17' E on a true line bet secs 2. and 3.
Ascend rocky N.E. slope 250 ft.

Subdivision of T 3 N. R 2 W.

through heavy Pine timber.

32.00	Spur Projects S.E. descend SW slope 100 ft
40.20	Set a Granite Stone 18x10x6 ins 12 ins in the ground for 1/4 sec cor. marked 1/4 on W. face, from which. A Pine 18 ins diam bears $S 63^{\circ} 00' E.$ 59 chs dist marked 1/4 S 2 B.T.
	A Pine 24 ins diam bears $S 36^{\circ} 30' W.$ 75 chs dist marked 1/4 S 3 B.T.
	descend SW slope 50 ft
43.00	Ravine Course S.E. ascend N.E. slope 50 ft
52.00	Ridge bears S.E. descend S.E. slope 100 ft
55.50	Ravine Course S.E. ascend N.E. slope 100 ft
59.00	Point of Spur projects S.E. ascend N.E. slope 100 ft
80.20	The cor. of secs 2, 3, 10, and 11.
	Land Mountainous Soil rocky 3rd rate Timber Pine
	Mountainous and Heavily timbered land 80.20 chs

June 16th 1904

June 18th 1904 at 8 ⁴ 00~ A.M. C. M. T.
I set off $40^{\circ} 37'$ Non Lat arc. $23^{\circ} 26' N.$ on the Decl arc, and determine a Meridian with the Solar, at the cor. of secs 3, 4, 33 and 34 on S. bdy. of Sp. heutfor described. Then a line $N 0^{\circ} 2' W.$ bet secs. 33. and 34.
Ascend SW slope 500 ft
Enter Pine and Aspen timber bears N.E. and SW Ridge bears S.E. descend N.E. slope 150 ft
Set a Granite Stone 17x10x8 ins 12 ins in the ground for 1/4 sec cor. marked 1/4 on W. face, from which.
An Aspen, 5 ins diam bears $N 88^{\circ} 00' E.$ 54 chs dist marked 1/4 S 34 B.T.
An Aspen 4 ins diam bears $S 72^{\circ} 00' W.$ 15 chs dist. marked 1/4 S 33. B.T.
descend N.E. slope 75 ft.
Ravine Course S.E. ascend SW slope 100 ft
Spur S.E. descend N.E. slope 50 ft

Subdivision of T 3 N R 2 W.

in the ground for the cor of secs. 27, 28, 33, and 34 marked with 1 notch on S. and 3 notches on E. edges, from which A Pine 8 in diam bears $1164^{\circ}45' E.$ 37 lbs dist marked T 3 N. R. 2 W. S 27 B.T.
A Pine 8 in diam bears $S49^{\circ}45' E$ 34 lbs dist marked T 3 N. R 2 W. S 34 B.T.
A Pine 6 in diam S $29^{\circ}00' W.$ 12 lbs dist marked T 3 N. R 2 W. S 33 B.T.
A Pine 8 in diam $N12^{\circ}15' W.$ 54 lbs dist marked T 3 N. R. 2 W. S 28 B.T.

Land Mountainous
Soil rocky 3rd rate
Timber Pine and Aspen
Mountainous or Heavily timbered Land
80.00 Chs

$N89^{\circ}47' E.$ on a random line bet secs 27 and 34
40.00 Set temp 1/4 sec cor
80.19 Intersect N and S line 4 lbs N of
cor of secs 26, 27, 34, and 35.

Thence down
 $S89^{\circ}49' W.$ on a true line bet secs 27 and 34.
Ascend S.E. slope 100 ft

5.00 Spur projects S.W. descend S.W. slope 200 ft
6.00 Enter Pine and Aspen timber bears N.E. and S.W.
27.00 Horseshoe course S.E. ascend N.E. slope 200 ft
40.09 $\frac{1}{2}$ Set a Granite Stone 30 x 14 x 6 in 24 in in
the ground for 1/4 sec cor. marked 1/4
on N face, and raised a mound of
Stone 2 ft base 1 $\frac{1}{2}$ ft high N of cor.
for which.

A Pine 30 in diam bears $N87^{\circ}30' W.$ 38 lbs dist
marked 1/4 S 27 B.T.

Up a spur 7 in diam bears $S50^{\circ}00' E.$ 10 lbs dist
marked 1/4 S 34 B.T. ascend N.E. slope 300 ft
6.500 Spur projects S.E. descend S.W. slope 500 ft
77.25 Horseshoe course S.E. ascend N.E. slope 100 ft
80.19 The cor of secs. 27, 28, 33, and 34.

Land Mountainous

Soil stony 3rd rate. Timber Pine.

Subdivision of T 3 N. R 2 W.

No. 2' W. bet secs. 27 and 28.

Descend N.E. slope 75 ft. through Pine timber

6.00 Ravine course S.E. ascend rocky SW slope 1000 ft
40.00 Set a Granite stone 19 x 11 x 7 ins. 15 ins in the ground,

1/4 sec cor. marked 1/4 on W face from which
A Pine 8 ins diam bears $N 81^{\circ} 00' E.$ 34 lbs dist
marked 1/4 S 27 B.T.

A Pine 10 ins diam bears $N 79^{\circ} 00' W.$ 35 lbs dist
marked 1/4 S 28 B.T. Ascend SW slope 100 ft

56.60 Spur projects S.E. descend N.E. slope 80 ft.

74.00 Creek 10 lbs wide 18 ins deep course S.E. ascend
SW along slope 100 ft.

80.00 Set a Granite stone 15 x 12 x 7 ins 10 ins in the ground, for
cor of secs. 21, 22, 27, and 28. marked with 2 notches
on S. and 3 notches on E. edges from which
A Pine 14 ins diam bears $N 6^{\circ} 15' E.$ 100 lbs dist
marked T 3 N. R 2 W S 22 B.T.

A Pine 24 ins diam bears $S 52^{\circ} 30' E.$ 190 lbs dist
marked T 3 N. R 2 W. S 27 B.T.

A Pine 18 ins diam bears $S 5^{\circ} 00' W.$ 190 lbs dist
marked T 3 N. R 2 W. S 28 B.T.

A Pine 16 ins diam bears $N 69^{\circ} 00' W.$ 148 lbs dist
marked T 3 N. R 2 W. S 21 B.T.

Land mountainous

Soil rocky 3rd rate

Timber Pine

Mountainous and heavily timbered land
80.00 chs

$N 89^{\circ} 49' E.$ on a random line bet secs 22 and 27

40.00 Set temp 1/4 sec cor.

80.70 Intersect N and S line 4 lbs S of cor of
secs 22, 23, 26, and 27. thence down
 $S 89^{\circ} 47' W.$ on a true line bet secs 22 and 27.

Descend SW slope 900 ft through Pine timber

90.00 Creek 5 lbs wide 4 ins deep course S. ascend
S.E. slope 100 ft.

29.00 Point of Spur projects S. descend SW slope 60 ft

33.00 Ravine course S.E. ascend N.E. slope 100 ft

40.10 Set a Granite stone 16 x 10 x 8 ins 11 ins in the ground

Subdivision of T 3 N. R 2 W.

from which.

A Pine 10 in diam bears S 16° 30' E. 63 lbs dist
marked 1/4 S 27 B.T.

54.00 A Pine 10 in diam bears N 10° 20' E. 50 lbs dist
marked 1/4 S 22 B.T. ascend N.E. slope 700 ft
Ridge bears N.W. and S.E. descend SW slope 500 ft
80.20 The cor of secs, 21, 22, 27, and 28.

Land mountainous

Soil rocky 3rd rate

Timber pine

Mountainous and heavily timbered land
80.20 chs

June 18th 1904.

June 20th 1904.

No 2' W. bet secs 21 and 22.

Ascend SW. slope through Pine and Aspen timber 800 ft
Thence gradual S. slope.

40.00 Set a Granite stone 18 x 14 x 8 ins 12 ins in the
ground, for 1/4 sec cor, marked 1/4 on W face
from which.

A Pine 14 ins diam bears S 56° 30' E. 29 lbs dist
marked 1/4 S 22 B.T.

A Pine 16 ins diam bears S 69° 00' W 56 lbs dist
marked 1/4 S 21 B.T.

Ascend SW. slope 250 ft.

80.00 Set a Granite stone 20 x 8 x 8 ins 15 ins in the ground
for cor of secs, 15, 16, 21, and 22.
marked with 3 notches on S and 3 notches
on E. edges, from which.

A Pine 10 ins diam bears N 26° 30' E. 19 lbs dist
marked T 3 N. R 2 W. S. 15 B.T.

A Pine 18 ins diam bears S 87° 00' E. 51 lbs dist
marked T 3 N. R 2 W. S. 22 B.T.

A Pine 8 ins diam bears S 87° 00' W. 69 lbs dist
marked T 3 N. R 2 W. S. 21 B.T.

A Pine 14 ins diam bears N 88° 00' W 62 lbs dist
marked T 3 N. R 2 W. S. 16 B.T.

Land mountainous

Soil rocky 3rd rate

Timber Pine

Sub-division of T 3 N. R 2 W.

Mountainous and heavily timbered land
80.00 chs

	June 20th 1904. at 9:45 A.M. loc. T. I set off $40^{\circ}39'4''$ on Lat. arc, $23^{\circ}27'N$ on Decl. arc, and determine a Meridian with the Solar, at the cor. of secs, 15. 16. 21 and 22. Then I run $N89^{\circ}47'E.$ on a random line bet secs 15 and 22. Set temp $\frac{1}{4}$ sec cor.
40.00	
79.92	Intersect N and S line 16 chs S of cor of secs 14. 15. 22. and 23. Then I run $S89^{\circ}40'W.$ on a true line bet secs 15 and 22. Ascend S.E. slope 40 ft through Pine timber Point of Spur projects S. descend S.W. slope 75 ft Ravine course S. ascend S.E. slope 50 ft Set a Granite stone 24 x 13 x 4 ins 18 ins in the ground, for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ on N face, from which.
5.00	A Pine 20 ins diam bears $N32^{\circ}30'W$ 23 chs dist marked $\frac{1}{4}$ S 15 B.T.
24.00	A Pine 25 ins diam bears $S14^{\circ}00'E.$ 80 chs dist marked $\frac{1}{4}$ S 22 B.T. ascend S.E. slope 150 ft Ridge bears S.W. and N.E. descend w slope 150 ft The cor of secs, 15. 16. 21 and 22.
39.96	Land mountainous Soil rocky 3rd rate Timber pine
	Mountainous and heavily timbered land 79.92 chs

No. 2 W. bet secs 15 and 16.

35.50	Ascend S.W. slope through Pine timber 200 ft Ravine 1 ch wide 50 ft deep course W.
40.00	Set a Granite stone 16 x 8 x 7 ins 11 ins in the ground, for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ on W face, from which.
	A Pine 6 ins diam bears $N83^{\circ}00'E.$ 37 chs dist, marked $\frac{1}{4}$ S 15 B.T.
	A Pine 16 ins diam bears $S66^{\circ}00'W.$ 40 chs dist

Sub-division of T 3 N. R 2 W.

56.00	Creek 10 lbs wide 8 ins deep course S.W.
80.00	Set a Granite stone 16 x 8 x 8 ins 11 lbs in the ground for cor of secs 9, 10, 15 and 16 marked with 4 notches on S. and 3 notches on E. edges, from which A Pine 16 in diam bears $N 60^{\circ} 30' E$ 19 lbs dist marked T 3 N R 2 W S 10 B.T.
	A Pine 10 in diam bears $S 31^{\circ} 15' E$ 23 lbs dist marked T 3 N R 2 W S 15 B.T.
	A Pine 18 ins diam bears $S 11^{\circ} 30' W$ 25 lbs dist marked T 3 N R 2 W S 16 B.T.
	A Pine 10 ins diam bears $N 42^{\circ} 30' W$ 51 lbs dist marked T 3 N R 2 W S 9 B.T.
	Land Mountainous Soil rocky 3rd rate Timber fair Mountainous and heavily timbered land 80.00 chs

	$N 89^{\circ} 40' E$. on a random line bet secs 10 and 15
40.00	Set temp $\frac{1}{4}$ sec cor.
80.00	Intersect N and S line 11 lbs N of cor of secs 10, 11, 14, and 15, thence I run $S 89^{\circ} 45' W$ on a true line bet secs 10 and 15, Descend W slope 250 ft, through Pine timber.
20.00	Head of Ravine courses S.W. thence along rocky S slope.
40.00	Set a Granite stone 20 x 10 x 8 ins 15 lbs in the ground, for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$, on N face from which A Pine 28 ins diam bears $N 53^{\circ} 00' E$, 8 lbs dist marked $\frac{1}{4}$ S 10 B.T.
	A Pine 8 ins diam bears $S 12^{\circ} 00' E$, 32 lbs dist marked $\frac{1}{4}$ S 15 B.T.
	Thence along rocky S. slope
49.00	Creek 3 lbs wide 4 ins deep course S.W.
80.00	The cor of secs, 9, 10, 15 and 16. Land mountainous

Subdivision of T 3 N. R. 2 W.

Soil stony 3rd rate
Timber Pine.

Mountainous and Heavily timbered
land 80.00 chs

June 20th 1904

June 21st 1904 at 8:00 A.M. L.M.T. I
set off $40^{\circ} 40'$ on the Lat. arc. $23^{\circ} 28'$ N. on
the Decl. arc and determine a meridian
with the Solar at the cor. of secs.

9. 10. 15 and 16. thence I run.

$110^{\circ} 2' W.$ bet secs. 9 and 10

ascend S.E. slope through heavy pine timber
350 ft

15.00 Point of Spur projects SW. descend NW slope
40 ft.

20.00 Ravine course SW. ascend S.E. slope 100 ft
Granite Boulder in place $36 \times 30 \times 12$
ins above ground, marked: $\frac{1}{4}$ on W.
face and cross (+) on top, at exact point for $\frac{1}{4}$ sec. cor. from which
A Pine 14 ins diam bears $N 81^{\circ} 00' E.$ 22 lbs dia
marked $\frac{1}{4} 4 S 10$ B.T.

A. Pine 12 ins diam bears West 5 lbs dia
marked $\frac{1}{4} 4 S 9$ B.T. ascend S.E. slope 30 ft
Ridge bears SW. and N.E. descend NW. slope
250 ft

74.00 Leave timber bears N.E. and S.W.

Ravine course SW. ascend S.E. slope 40 ft

Set a Granite Stone $16 \times 10 \times 6$ ins 11 ins in
the ground, for cor. of secs. 3. 4. 9 and
10. marked with 3 notches on S.

and 3 notches on E. edges, and raised
a Mound of Stone 2 ft base $1\frac{1}{2}$ ft high
W. of cor. Pits impracticable

Land Mountainous

Soil stony 3rd rate
Timber Pine

Mountainous or. Heavily timbered land
80.00 chs

$N 89^{\circ} 45' E$ on a random line bet secs. 3 and 10

40.00 Set temp $\frac{1}{4}$ sec. cor.

80.10 Intersect N and S. line 16 lbs N the

Subdivision of T 3 N R 2 W.

	cor. of secs. 2. 3. 10 and 11. Thence I run S 87° 52' W. on a true line bet. secs. 3 and 10 along SW. slope through Pine timber. Descend NW. slope 75 ft
25.00	
40.05	Set a Granite Stone 16x10x5 ins 11 ins in the ground, for 1/4 sec. cor. marked 1/4 on N face, from which, A Pine 20 ins diam bears N 67° 00' E. 41 lbs dist. marked 1/4 S 3 B.T. A Pine 20 ins diam bears S 21° 30' E 74 lbs dist marked 1/4 S 10 B.T. descend NW. slope 200 ft.
64.00	Thence over grassy meadow, leave timber N.E. SW Ravines 20 lbs wide 1 ft deep course SW
75.00	
80.10	The cor. of secs. 3. 4. 9. and 10. Land Mountainous Soil stony 3 rd rate Timber Pine Mountainous or Heavily timbered land 80.10 chs
	No. 2' W. on a random line bet. secs. 3 and 4.
40.00	Set temp 1/4 sec. cor.
80.38	Intersect N. bdy of the Tp. 31. lbs E. of cor. of secs. 3. 4. 33 and 34. which is a Granite Stone 10 x 11 x 6 ins. above ground marked and witnessed as described by the Surveyor General, thence I run S 0° 15' E. on a true line bet. secs 3 and 4. Descend SW slope 100 ft. through Pine timber Head of Ravine Course S.E. thence along rocky E slope
13.00	
40.38	Granite Boulder in place 24 x 12 x 12 ins above ground, marked 1/4 on N face and 1/4 cross(+) on top at exact point for 1/4 sec. cor. from which A Pine 20 ins diam bears S 87° 30' E. 18 lbs dist. marked 1/4 S 3 B.T. A Pine 7 ins diam bears N 74° 00' W. 15 lbs dist. marked 1/4 S 4 B.T. thence along E. slope.
76.50	Leave timber bears E. & W descend S.E. slope 100 ft
80.38	The cor. of secs 3. 4. 9. and 10. Land Mountainous

Subdivision of T 3 N R 2 W

Soil stony 3rd rate

Tinker Pine

Mountainous & heavily timbered land
80.38. chs.

June 21 1904.

June 22nd 1904. At the cor. of secs
4, 5, 32 and 33 on South boundary
of township heretofore described
at 9^h 00^m A.M. C.M.T I set off 40' 37"
on flat arc. 23° 27' N on the Decl. arc
and determined a meridian with
the gds. Thence I run
110° 3' W bet secs 32 and 33

Ascend SW slope 170 ft

Enter Pine timber less NW and SE
Set a granite stone 16 X 12 X 6 ins 11 ins
in the ground for 14 sec cor. marked
1/4 in W face, from which a Pine
30 ins diam has 82.5° E 45 lks dist
marked 1/4 S 33 B.T.

A Pine 20 ins diam less N 41° 00' W 81 lks
dist marked 1/4 S 32 B.T ascend
SW slope 30 ft.

Spur projects NW descend N slope 50 ft.
Roving down W ascend S slope 12.5 ft
Spur projects W descend N slope 100 ft.
Set a Granite Stone 12 X 10 X 8 ins 8 ins in
the ground for Cor of secs 28, 29, 32
and 33, marked with 1 notch on S
and 4 notches on E edges from which

A Pine 24 ins diam less N 37° 00' E 134 lks
dist marked T 3 N R 2 W S 28 B.T.

A Pine 16 ins diam less S 31° 45' E 71 lks dist
marked T 3 N R 2 W S 33 B.T.

A Pine 18 ins diam less S 8° 00' W 71 lks dist
marked T 3 N R 2 W S 32 B.T.

A Pine 24 ins diam less N 34° 00' W 148
lks dist marked T 3 N R 2 W S 29 B.T.

Laid Mountainous

Subdivision of T 3 N R 2 W

	<p>Soil Shaly 3rd rate Timber Pine. Mountainous or heavily timbered land .80.00 Chs,</p>
4.00	1189°47' E on a random line bet secs 28 and 33 Set temp 1/4 sec cor
80.10	Intersect N and S line of Chs N of the Cor of secs 27-28, 33 and 34 thence I run.
	889°51' W on a true line N. secs 28 and 33
	Ascend N.W. slope through Pine timber 400 ft.
7.00	Spur projects SW descend S.E. slope 150 ft-
10.00	Roving Course SW ascend N.W. slope 450 ft-
17.00	Spur projects SW. descend S.E. slope 320 ft-
24.00	Head of Roving course SW leave timber forks N.E and SW ascend SW slope 300 ft.
40.05	Set a Granite Stone 15x14x6 ins 10 ins in the ground for 1/4 sec cor marked 1/4 on N face and raised a mound of stone 2 ft base 1 1/2 ft. high N of cor Peb impervious
	Ascend SW slope 400 ft.
47.00	Enter Pine timber fork N.E. and S.W.
61.00	Spur projects S.E. descend N.E. slope 800 ft.
80.10	The cor of secs 28, 29, 32. and 33 Land Mountainous Soil Shaly 3 rd rate Timber Pine Mountainous or heavily timbered land .80.10 Chs
	110° SW bet secs 28 and 29
1.00	descend N slope 200 ft through Pine timber
20.00	Roving Course SW ascend S.E. slope 1000 ft- thence along S.W. slope
27.00	Spur projects SW descend N.W. slope 500 ft-
40.00	Set a Granite Stone 17x11x6 ins 1 1/2 ins in the ground for 1/4 sec cor marked 1/4 on N face from which a Pine 6 ins diam grows

Subdivision of T 3 N. R 2 W.

- 1157°00' W. 6 lks dist.
marked $\frac{1}{4}$ sec. S. 29 B.T.
A Pine 12 ins diam bears 1148°00' E. 35 lks
dist marked $\frac{1}{4}$ sec. S. 28 B.T. descend Nw slope 300 ft.
59.60 Creek 20 lks wide 1 ft deep course SW. ascend
S.E. slope 1100 ft.
80.00 Set a Granite stone 14x10x7 ins 10 ins in the
d for cor of secs 20, 21, 28, and 29,
marked with 2 notches on S. and 4
notches on E. edges, from which
A Pine 6 ins diam bears 1168°00' E. 27 lks
dist marked T 3 N. R 2 W. S 21 B.T.
A Pine 6 ins diam bears S 29°45'E. 8 lks
dist marked T 3 N. R 2 W. S 28 B.T.
A Pine 6 ins diam bears S 23°15'W. 31 lks
dist, marked T 3 N. R 2 W S 29 B.T.
A Pine 6 ins diam bears 1183°30'W. 30 lks
dist, marked T 3 N. R 2 W. S 20 B.T.
Land mountainous
Soil rocky 3rd rate
Timber pine
Mountainous and heavily timbered land
80.00 chs

- 1189°51' E. on a random line bet secs 21. and 28.
40.00 Set temp $\frac{1}{4}$ sec cor.
80.20 Intersect N and S line at the cor of secs
21, 22, 27, and 28, thence I run
S 89°51' W. on a true line bet secs 21 and 28
Descend SW slope 150 ft. through Pine
Timber
5.50 Creek 6 lks wide 5 ins deep course S.E.,
ascend W.E. slope 800 ft.
22.00 Spur projects SW. descend SW slope 400 ft
38.50 Head of Ravine course NW. ascend
W.E. slope 30 ft
40.10 Set a Granite stone 24x10x6 ins 18 ins in the
for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ on N face, from which
An Aspen 7 ins diam bears S 67°00' W. 21 lks dist
and $\frac{1}{4}$ sec S 28 B.T.
An Aspen 6 ins diam bears 1133°00' W. 32 lks

Subdivision of T 3 N. R 2 W.

43.00	dist, marked 1/4 S 21 B.T. ascend N.E. slope 70 ft Spur projects N.W. descend SW slope 800 ft Creek 20 lbs wide 1 ft deep course SW. Ascend S.E. slope 700 ft.
61.70	Take cor to secs 20, 21, 28 and 29. Land mountainous Soil rocky 3rd rate Timber pine
80.70	Mountainous and heavily timbered land 80.70 chs

June 22nd 1904.

1900	June 23rd 1904. At 8:00 a.m. I met I set off 40° 38' + on Lat Arc. 23° 27' N. on the Decl Arc. and determined a Meridian with the Solar, at the cor of secs, 20, 21, 28. and 29. Then I run No. 3' W. bet secs 20 and 21. Ascend S.E. slope 250 ft through timber Spur projects E. Discret.,
4000	Set a Granite stone 14x10x7 ins 10 ins in the ground for 1/4 sec cor, marked 1/4 on W. face, from which, A Pine 8 ins diam bears S 22° 20' E. 35 lbs dist marked 1/4 S 21 B.T.
49.00	A Pine 10 ins diam bears N 45° 45' W. 15 lbs dist, marked 1/4 S 20 B.T. Descend N.E. slope 150 ft.
75.00	Creek 20 lbs wide 6 ins deep course SE, Ascend rocky SW slope 700 ft. Point of Ridge bearing E and W. descend NW slope 75 ft.
80.00	Set a Granite stone 14x10x6 ins 10 ins in the ground, for cor of secs 16, 17, 20 and 21, marked with 3 notches on S and 4 notches on E. edges, from which. A Pine 6 ins diam bears N 45° 00' E. 45 lbs dist marked T 3 N. R 2 W. S 16. B.T.
	A Pine 8 ins diam bears S 20° 30' E. 30 lbs dist marked T 3 N. R 2 W. S 21 B.T.
	A Pine 10 ins diam bears S 9° 00' W. 25 lbs dist

Sub-division of T 3 N. R 2 W.

marked T 3 N. R 2 W. S 20 B.T.

A Pine 6 ins diam bears $1152^{\circ} 00' W.$ 5 lbs dist
marked T 3 N. R 2 W. S 17 B.T.

Sand mountainous

Soil rocky 4th rate

Timber Pine

Mountainous and heavily timbered land
8000 chs

$N 89^{\circ} 51' E.$ on a random line bet secs 16 and 21

40.00 Set temp $\frac{1}{4}$ sec cor.

80.18 Intercept N and S line 9 lbs S of the
cor of secs 15, 16, 21, and 22. thence down
 $S 89^{\circ} 47' W.$ on a true line bet secs 16 and 21

Descend NW slope 250 ft through Pine timber
Creek 15 lbs wide 8 ins deep course SW.

Ascend N.E. slope 200 ft.

40.09 Set a Granite stone 20 x 10 x 5 ins 15 ins in the
ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on N face
from which.

A Pine 18 ins diam bears $1120^{\circ} 30' W.$ 24 lbs
dist marked $\frac{1}{4}$ S 16 B.T.

A Pine 6 ins diam bears $S 6^{\circ} 00' W.$ 11 lbs dist
marked $\frac{1}{4}$ S 21 B.T. thence along SW slope
Descend NW slope 150 ft.

49.00 The cor of secs 16, 17, 20 and 21.

Sand Mountainous

Soil rocky 4th rate

Timber Pine

Mountainous and heavily timbered land
8018 chs

No. 3' W. bet secs 16 and 17.

24.00 Descend N slope through Pine timber 400 ft
Creek 20 lbs wide 10 ins deep course SW.

Ascend S.E. slope 75 ft.

40.00 Set a Granite stone 14 x 10 x 6 ins 10 ins in the
ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on W face
from which.

A Pine 8 ins diam bears $S 41^{\circ} 00' E.$ 15 lbs dist
marked $\frac{1}{4}$ S 16 B.T.

A Pine 6 ins diam bears $S 48^{\circ} 00' W.$ 29 lbs dist

Sub-division of T 3 N. R 2 W.

	marked $\frac{1}{4}$ S 17 B.T. ascend S.E. slope 75 ft. Spur projects S.W. then along rough W. slope Ravine course S.W.
42.00	
62.50	
80.00	Set a Granite stone 15x10x6 ins 10 ins in the ground, for cor of secs., 8. 9. 16. and 17. marked with 4 notches on S and E. edges from which. A Pine 8 ins diam bears $1164^{\circ}30' E.$ 28 lbs dist marked T 3 N. R 2 W. S 9 B.T.
	A Pine 12 ins diam bears $S 38^{\circ}00' E.$ 66 lbs dist marked T 3 N. R 2 W. S 16 B.T.
	A Pine 7 ins diam bears $S 38^{\circ}00' W.$ 25 lbs dist marked T 3 N. R 2 W. S 17 B.T.
	A Pine 16 ins diam bears $1163^{\circ}30' W.$ 32 lbs dist marked T 3 N. R 2 W. S 8 B.T.
	Land Mountains Soil rocky 3rd rate Timber pine Mountains and heavily timbered land 80.00 chs

June 23rd 1904. At the above cor I set off
 $23^{\circ} 27' N.$ on the Decl Arc. and at
 $17^{\circ} 40' 2'' P.M.$ Lmt. observe the Sun
on the Meridian, the resulting Lat is
 $40^{\circ} 40' +$, the true Lat nearly.

Thence I run

	$N 89^{\circ}47' E.$ on a random line bet secs 9 and 16
40.00	Set Temp $\frac{1}{4}$ sec cor.
80.02	Intersect N end S line 18 lbs N of cor of secs 9. 10. 15. and 16.

Thence I run

	$S 89^{\circ}55' W.$ on a true line bet secs 9 and 16
	Along S. slope through Pine timber
3.00	Head of Ravine course S.W. ascend S.E. slope 250 ft
28.00	Ridge bears N.E. and S.W. descend N.W. slope 240 ft.
40.01	Set a Granite stone 24x8x6 ins 18 ins in the ground for marked $\frac{1}{4}$ on N. face from which.
	A Pine 30 ins diam bears $1132^{\circ}45' E.$ 39 lbs dist dist marked $\frac{1}{4}$ S 9 B.T.
	A Pine 10 ins diam bears $S 54^{\circ}30' W.$ 19 lbs dist

Subdivision of T 3 N. R 2 W.

marked 44 5 16 B.T. Descend NW slope 250 ft
 64.00 Ravine course SW. ascend S.E. slope 50 ft
 65.50 Spur of Ridge bears S. descend SW slope 150 ft
 73.00 Ravine course S.E. ascend N.E. slope 150 ft
 80.02 The cor of secs 8, 9, 16. and 17.

Sand mountains

Soil rocky 3rd rate

Timber fair

Mountainous and heavily timbered land
 80.02 chs

No. 3' W. bet secs 8 and 9.

Descend N.E. slope 75 ft through Timbers

14.00 Ravine course E. ascend S.E. slope 100 ft
 40.00 Set a Granite stone 16 x 8 x 6 in 11 in in the
 ground for 1/4 sec cor. marked 44 on W
 face from which.

A Pine 14 in diam bears N 43° 45' E. 47 lbs dist
 marked 44 5 9 B.T.

A Pine 12 in diam bears N 10° 00' W. 50 lbs dist
 marked 44 5 8 B.T. ascend S.E. slope 75 ft

50.00 Ridge bears SW and N.E. descend NW slope 75 ft
 58.00 Ravine course SW. ascend S.E. slope 250 ft
 76.00 Spur of Ridge bears SW. ascend SW slope 50 ft
 80.00 Set a Granite stone 22 x 10 x 6 in 16 in in the ground
 for cor of secs, 4, 5, 8, and 9. marked
 with 5 notches on S. and 4 notches on E
 edges. from which.

A Pine 18 in diam bears N 34° 30' E. 42 lbs dist
 marked T 3 N. R 2 W. S 4 13. T.

A Pine 10 in diam bears S 14° 00' E. 199 lbs
 dist marked T 3 N. R 2 W. S 9 B.T.

A Pine 10 in diam bears S 41° 00' W 30 lbs dist
 marked T 3 N. R 2 W. S 8 B.T.

A Pine 12 in diam bears N 53° 30' W 12 lbs
 dist marked T 3 N. R 2 W. S 5 B.T.

Sand mountains

Soil rocky 3rd rate

Timber fair

Mountainous and heavily timbered land
 80.00 chs June 23rd 1904

Subdivision of T 3 N. R 2 W.

June 24th 1904. At 9⁴⁰ A.M. I am T.
I set off $40^{\circ} 41'$ + on the Lat Acc. $23^{\circ} 26' N$
on the Decl Acc. and determine a
true Meridian with the Solar. at the
cor. of secs 4, 5, 8 and 9.

Thence I run

- $1189^{\circ} 33' E.$ on a random line between 4 and 9
 40.00 Set temp $\frac{1}{4}$ sec cor.
 79.96 Intersect N and S line 11 lbs N of cor of
 secs 3, 4, 9, and 10. thence I run
 West on a true line bet secs 4 and 9.
 Descend W slope 80 ft
 18.00 Ravine course S.W. ascend S.E. slope 150 ft
 Enter Pine timber bears N.E. and S.W.
 36.00 Ridge bears N.E. and S.W. descend NW slope 50 ft
 Ravine course S.W. ascend 20 ft
 39.00 Set a Granite stone 14x8x6 ins 10 ins in the
 ground, for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ on N face
 from which.
 A Pine 8 ins diam bears $1166^{\circ} 00' E$ 21 lbs dist
 marked $\frac{1}{4}$ S 4 B.T.
 A Pine 16 ins diam bears S $15^{\circ} 00' E$. 30 lbs dist
 marked $\frac{1}{4}$ S 9 B.T.
 Ascend S.E. slope 300 ft.
 67.00 Spur of Ridge bears S.W. descend SW slope 130 ft.
 79.96 The cor of secs 4, 5, 8, and 9.

Land Mountainous

Soil rocky 4th rate

Timber pine

Mountainous or heavily timbered land

79.96 Chs

$110^{\circ} 3' W.$ on a random line between 4 and 5

- 40.00 Set temp $\frac{1}{4}$ sec cor.
 80.40 Intersect N. bdy of Tp. 39 lbs E of cor
 of secs 4, 5, 32, and 33, which is a
 Granite stone 17x8x6 ins above ground
 marked and witnessed as described
 by the Surveyor General.

Thence I run

$50^{\circ} 20' E.$ on a true line bet secs 4 and 5

Subdivisions of T 3 N R 2 W

- Descend steep rocky S slope through Pine
 vine course SW ascend NW. slope 75 ft-
 of of rocky ridge bears N. S. and S W
 Descend. S.W. Slope 150 ft.
 40.40 Set a Granite Stone 20 x 10 x 6 ins 15 ins in the ground
 1/4 sec cor marked 1/4 on W face
 from which.
 A Pine 16 in diameter bears S 41° 15' E 33 lbs dist
 marked 1/4 S 4 B.T.
 A Pine 16 in diameter bears N 41° 15' W 40 lbs dist
 marked 1/4 S 5 B.T.
 Descend rough SW slope 400 ft.
 80.40 The cor. of secs 4, 5, 8 and 9
 Land Mountainous
 Soil rocky 4th rate
 Timber pine
 Mountainous and heavily timbered land.
 80.40 Chs.

June 24th 1904

- June 25th 1904 at 10th 30th AM I set
 I set off 40° 37' N on the Lat arc 23° 24' N
 in the West arc. and determine a
 Meridian with the Solar at the cor. of
 secs 5, 6, 31, and 32 on South boundary
 of township heretofore described
 Thence I run
 N 0° 4' W lat secs 31 and 32
 Along steep E slope through Pine timber
 Descend N.E. slope 150 ft.
 1.000 Head of River course S.E. ascend 30 ft-
 18.00 Spur projects S.E. descend N.E. slope
 22.50 300 ft.
 40.00 Set a Granite Stone 19 x 14 x 7 ins 15 ins in the
 ground for 1/4 sec cor. marked 1/4 on W face from which-
 A Pine 6 in diameter bears S 5° 0' W 32 lbs dist
 marked 1/4 S 31 B.T.
 A Pine 6 in diameter bears N 56° 45' E. 32 lbs dist
 marked 1/4 S 32 B.T. descend N.E. slope 800 ft.
 52.40 Creek 5 lbs wide 4 ins deep courses S.E.

Subdivision of T 3 N R 2 W

- 54.60 Creek 46 ft wide 4 ins deep. course S.E.
Thence over level bottom land through
Pine timber and dense undergrowth.
- 70.50 Slough 60 ft wide 18 ins deep course S.E.
- 77.40 Slough 40 ft wide 18 ins deep course S.E.
- 80.00 Set a Granite stone 16 x 11 x 6 ins in the
ground for cor of sec 29, 30, 31 and 32
marked with 1 notch on S and 5 notches on
E edges from which.
A Pine 8 ins diameter hoss N 14° 30' E 76 ft dist
marked T 3 N R 2 W S 29 B.T.
- A Pine 6 in. diam. hoss S 74° 30' E 318 ft dist
marked T 3 N R 2 W S 32 B.T.
- A Pine 6 in. diam. hoss S 6° 15' W 105 ft dist
marked T 3 N R 2 W S 31 B.T.
- A Pine 5 ins diam. hoss N 43° 00' W 44 ft dist
Marked T 3 N R 2 W S 30 B.T.
- Land mountainous
Soil stony 3 rd rate
Timber pine
Mountainous and heavily timbered land
80.00 Chs.

- 1189 47' E on a random line bet secs 29 and 32.
- 40.00 Set temp 1/4 sec cor.
- 80.10 Intersect N and S line 9 ft N of cor of
secs 28, 29, 32 and 33. Thence S run
S 89° 51' W on a true line bet secs 29 and 32
descend N.E. slope 40 ft through pine timber
- 40.00 River course SW thence along S slope
- 37.00 Creek 30 ft wide 10 ins deep. course SW
ascend S.E. slope 30 ft.
- 38.00 Spur projects SW down and SW slope 50 ft
- 40.05 Set a Limestone 20 x 8 x 7 ins 15 ins in the
ground for 1/4 sec cor. marked 1/4 m N face
from which, a Pine 10 in. diam. hoss. N 10° 00' W 67 ft
dist, marked 1/4 829 B.T.
- A Pine 5 in. diam. hoss. S 62° 00' W 17 ft dist
marked 1/4 822 B.T. descend S.W. slope 150 ft
- 58.00 Trail hoss S.E. and NW
- 68.40 Left bank of Minnehaha River course S.E.

Subdivision of T3 N. R 2 W.

- 70.00 Right bank Unitah River course S.E.
Thence over level bottom land.
- 74.00 Slough 30 lds wide 8 mi deep course S.E.
- 80.10 The cor of secs 29, 30, 31, and 32.
Land mountainous
Soil rocky 2nd and 3rd rate
Timber Pine
Mountainous and heavily timbered land
80.10 chs.

- $88^{\circ}47'W.$ on a random line bet secs 30 and 31.
- 40.00 Set temp $\frac{1}{4}$ sec cor.
- 81.00 Intersect the W. bdy of the Tps. at the cor. of secs 25, 30, 31 and 36, which is a Granite stone 10x8x6 ins above ground marked and witnessed as described by the Surveyor General, thence I run $118^{\circ}47'E.$ on a true line bet secs 30 and 31. Descend N.E. slope 400 ft through Pine timber
- 41.00 Set a Granite stone 18x14x7. ins 12 ins in the ground for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ on N face, from which a Pine 8 ins diam bears $74^{\circ}30'E.$ 67 lds dist marked $\frac{1}{4} S 30 B.T.$
An Aspen 5 inches diam bears $S 41^{\circ}00'E.$ 27 lds dist marked $\frac{1}{4} S 31 B.T.$ descent N.E. slope 700 ft Thence over level bottom land
- 57.00 Slough 40 lds wide 18 mi deep course S.E.
- 64.00 Slough 30 lds wide 18 mi deep course S.E.
- 81.00 The cor of secs, 29, 30, 31 and 32.
Land mountainous
Soil rocky 3rd rate
Timber pine and aspen
Mountainous and heavily timbered land
81.00 chs.

- $70^{\circ}4'W.$ bet secs 29, and 30.
Over level bottom land through Pine timber
- 5.40 Right bank Unitah River course S.E.
- 6.60 Left bank Unitah River course S.E.
- 26.00 Trail bears NW and S.E. ascend SW. slope 200 ft

Sub-division of T3 N. R. 2 W.

40.00 Set Granite stone 22 x 12 x 8 ins 16 ins in the ground, for $\frac{1}{4}$ sec cor. marked by one W face from which.

A Pine 24 ins diam bears $71^{\circ} 43' 15''$ E 110 deg dist marked by S 29 B.T.

A Pine 6 ins diam bears $55^{\circ} 45' 00''$ W. 83 deg dist marked W S 30 B.T. descended N slope 30 ft

41.50 Ravine course SW. ascend SW slope 800 ft

42.00 Set a Granite stone 16 x 11 x 5 ins 11 ins in the ground for cor of secs 19. 20. 29. and 30. marked with 2 matches on S and 5 matches on E. edges from which.

A Pine 8 ins diam bears $71^{\circ} 42' 15''$ E. 65 deg dist marked T 3 N. R 2 W S 29 B.T.

A Pine 5 ins diam bears $55^{\circ} 45' 30''$ E. 108 deg dist marked T 3 N. R 2 W. S 29. B.T.

A Pine 7 ins diam bears $55^{\circ} 00' 00''$ W. 164 deg dist marked T 3 N. R 2 W. S 30 B.T.

A Pine 8 ins diam bears $71^{\circ} 30' 00'$ W. 90 deg dist marked T 3 N. R 2 W S 19 B.T.

Land mountainous

Salt rocky moderate

Timber fine

Mountains and heavily timbered land
80,000 chs

$71^{\circ} 49' 51''$ E. on a random line between 20 and 29.

43.00 Set temp $\frac{1}{4}$ sec cor.

79.75 Intersect N and S line 7 deg S of cor of secs 20. 21. 28. and 29.

Thenee I mire

$55^{\circ} 44' 45''$ W. on a true line betw 20 and 29

Second S.E. slope 300 ft through Tim. timber

100.0 Ridge bears SW and N.E. descend NW slope 600 ft.

38.00 Ravine course SW. ascend S.E. slope 50 ft
39.875 Set a Granite stone 15 x 10 x 6 ins 10 ins in the ground, for $\frac{1}{4}$ sec cor, marked by one W face from which.

A Pine 16 ins diam bears $71^{\circ} 44' 00''$ E. 27 deg dist marked by S 29 B.T.

Subdivision of T 3 N. R 2 W.

A Pine 8 ins diam bears S 35° 30' E. 52 lks
dist marked $\frac{1}{4}$ S 29 B.T.

Descend NW slope 100 ft

- 55.00 Ravine course SW. ascend S.E.; slope 100 ft
63.00 Spur projects SW. descend SW slope 300 ft
79.75 The cor of secs, 19. 20. 29. and 30.

Land mountainous

Soil rocky 4th rate

Timber pine and aspen.

Mountainous and heavily timbered land
79.75 chs

June 25th 1904

June 26th 1904. At 7th 30^m A.M. I. m. T.
I set off 40° 38' + on the Lat Arc,
23° 23' N. on the Decl Arc, and determine
a Meridian with the Solar, at the cor
of secs 19. 20. 29. and 30.

Thence I run

S 89° 47' W. on a random line bet secs 19 and 30

Set temp $\frac{1}{4}$ sec cor.

- 80.80 Intersect W. bdy of Tps 4 lks S of cor
of secs 19. 24. 25. and 30. which is
a Granite stone, 10 x 8 x 5 ins above ground,
marked and witnessed as described
by the Surveyor General, thence I run
N 89° 49' E. on a true line bet secs 19 and 30.

Over level bottom land through Pine timber

12.40 Right bank Uintah River course S.E.

13.00 Left bank Uintah River course S.E.

25.00 Ascend SW. slope 100 ft

39.50 Creek 10 lks wide 4 ins deep course SW.

- 40.80 Set a Granite stone 14 x 10 x 6 ins 10 ins in the
ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on
N face, from which.

A Pine 24 ins diam bears N 35° 00' E. 60 lks
dist marked $\frac{1}{4}$ S 19 B.T.

A Pine 20 ins diam bears S 23° 00' E. 51 lks

dist marked $\frac{1}{4}$ S 30 B.T. descend S.E. slope soft

50.00 Ravine course SW. ascend NW slope 50 ft

55.00 Spur projects SW. descend S.E. slope 75 ft

Sub-division of T 3 N. R 2 W.

62.50	Creek 4 lds wide 6 ins deep courses S. ascend NW. slope 600 ft.
74.00	Spur projects S.W. descend SW. slope 100 ft
78.00	Ravine courses SW.
80.80	The cor of secs 19, 20, 29, and 30. Land mountainous Soil rocky 3 rd rate Timber Pine
	Mountainous and heavily timbered land 80.80 Chs

	No. 4 W. bet secs 19 and 20.
	Ascend SW. slope 40 ft through Pine timber
6.00	Ravine courses S.W. ascend S.E. slope 800 ft
35.00	Ridge bears S.W. and N.E. descend NW. slope 100 ft
40.00	Set a Granite stone 16x12x7 ins 11 ins in the ground for 1/4 sec cor, marked 1/4 on W face from which A Pine 8 in diam bears S 50° 00' E. 40 lbs dist marked 1/4 S 20 B.T.
	A Pine 20 ins diam bears S 82° 00' W. 68 lbs dist marked 1/4 S 19 B.T. descend NW. slope 25 ft.
41.00	Ravine courses NW. ascend SW. slope 1300 ft
68.00	Perpendicular cliff 100 ft high bears NW and S.E.
80.00	Set a Granite stone 18x14x7 ins 12 ins in the ground for cor of secs 17, 18, 19, and 20. marked with 3 notches on S. and 5 notches on E. edges, from which
	A Pine 7 ins diam bears N 46° 30' E. 133 lbs dist marked T 3 N. R 2 W. S 17 B.T.
	A Pine 7 ins diam bears S 68° 00' E. 64 lbs dist marked T 3 N. R 2 W. S 20 B.T.
	A Pine 8 ins diam bears S 48° 00' W. 165 lbs dist marked T 3 N. R 2 W. S 19 B.T.
	A Pine 8 ins diam bears N 51° 00' W. 106 lbs dist marked T 3 N. R 2 W. S 18 B.T.
	Land mountainous Soil rocky 3 rd rate Timber pine
	Mountainous and heavily timbered land 8000 chs

N.W. 1/4 sec cor.

Subdivision of T 3 N. R 2 W.

79.80	Intersect S. and S. line at the cor of secs. 16, 17, 20 and 21. thence I run S $89^{\circ}48'W$ on a true line bet secs 17 and 20.
11.50	Descend NW slope 400 ft. through Pinetimber Creek 3 lbs wide 7 ins deep course SW. ascend S.E. slope 75 ft.
15.00	Span projects. descend SW slope 50 ft.
22.00	Ravine course S.E. ascend NE slope 400 ft.
39.90	Set a Granite Stone 18x8x8 ins 12 ins in the ground for 1/4 sec cor. marked 1/4 on N face, from which a Pine 10 ins diam bears N $68^{\circ}00'E$. 34 lbs dist. marked 1/4 S 17 B.T.
48.09	A. Pine 6 ins diam bears S $11^{\circ}00'W$. 18 lbs dist marked 1/4 S 20 B.T. ascend S.E. slope 50 ft
79.80	Thence along S. slope The cor of secs. 17, 18, 19, and 20. Land Mountainous Soil rocky 3rd Rate Timber Pine Mountainous and Herohylton covered land. 79.80 chs.

June 26th 1904.

At the above cor I set off $23^{\circ}22'N$. on the Decl arc. and at 12h 02m L.m. T. observe the Sun on the Meridian, the resulting Lat is $45^{\circ}39'$ the true Lat. nearly.

Thence I run

S $89^{\circ}49'W$. on a random line bet secs 18 and 19

Set temp 1/4 sec cor.

Intersect the W. bdy of tp 8 lbs N of cor of secs. 13, 18, 19 and 24. which is a Granite stone 10x5x6 ins above ground marked and witnessed as described by the Surveyor General. thence I run

N $89^{\circ}47'E$. on a true line bet secs 18 and 19 ascend steep broken SW. slope through Pine timber 1400 ft.

Set a Granite Stone 18x10x10 ins 18 ins in the ground. for 1/4 sec cor; marked 1/4 on N face

Subdivision of T3 N. R2 W.

which.

A Pine 24 ins diam bears $W 22^{\circ} 30' E. 56$ lbs dist. marked $\frac{1}{4}$ S 18 B.T.

A Pine 12 ins diam bears $S 9^{\circ} 30' W. 53$ lbs dist. marked $\frac{1}{4}$ S 19 B.T. ascend N.W. slope 100 ft.

46.00 Rocky Spur projects SW. descend S.E. slope 175 ft.

60.00 Ravine course SW. ascend rocky SW. slope 1100 ft.

66.00 Ascend abrupt rocky cliff

80.60 The cor. of secs. 17, 18, 19, and 20.

Land Mountainous

Soil rocky 4th rate

Timber Pine

Mountainous and Heavily timbered Land

80.60 cor.

No. 4 W. lot Secs 17 and 18.

Ascend SW. slope through Pine timber 400 ft

40.00 Set a Granite Stone 15x11x6. ins 10 ins in the ground. for 1/4 sec. cor. marked $\frac{1}{4}$ on N. face, from which.

A Pine 8 ins diam bears $S 69^{\circ} 00' E. 102$ lbs dist. marked $\frac{1}{4}$ S 17 B.T.

A Pine 10 ins diam bears $S 87^{\circ} 30' W. 55$ lbs dist. marked $\frac{1}{4}$ S 18 B.T. descend N.W. slope 250 ft. Cor. on ridge, bears N.W. and S.W.

61.00 Thence along N. slope. Ravine course S.E.

80.00 Set a Granite Stone 18x10x6 ins 12 ins in the ground, for cor. of secs. 7, 8, 17, and 18. marked with 4 notches on S. and 5 notches on E. edges, from which.

A Pine 16 ins diam bears $W 55^{\circ} 00' E. 11$ lbs dist. marked T3 N. R. 2 W. S 8 B.T.

A Pine 7 ins diam bears $S 45^{\circ} 00' E. 11$ lbs dist. marked T3 N. R. 2 W. S 17 B.T.

A Pine 30 ins diam bears $S 60^{\circ} 30' W. 51$ lbs dist. marked T3 N. R. 2 W. S 18 B.T.

A Pine 7 ins diam bears $W 46^{\circ} 00' W. 10$ lbs dist. marked T3 N. R. 2 W. S 7 B.T.

Land Mountainous

Soil rocky 3rd rate

Subdivision of T3 N. R2 W.

Timber Pine
Mountainous and Heavily timbered Land
80.00 chs

June 26th 1904

June 27th 1904

At 7th 30th A.M. I set off 40' 40' on the Lat. arc. 23° 21' N. on Decl. arc. and determined a Meridian with the Solar at the cor. of secs. 7. 8. 17 and 18. thence I run:

$N89^{\circ}48'E.$ on a random line bet secs 8 and 17
Set temp $\frac{1}{4}$ sec cor.

Intersect N. and S. line 11 lbs N. of the cor. of secs 8. 9. 16. and 17. thence run $S89^{\circ}53'W.$ on a true line bet secs 8 and 17 ascend S.E. slope 75 ft. through Pine timber. Stump projects S.W. descend N.W. slope 300 ft Head of Ravine course S.W. ascend S.E. slope 100 ft Top of Ridge bears N.E. + S.W. descend W.slope 75 ft Set a Granite Stone 16 x 10 x 5 ins 11 ins in the ground. for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face from which

A Pine 16 ins diam. bears $N68^{\circ}00'E.$ 7.9 lbs dist. marked $\frac{1}{4}$ S 8 B.T.

A Pine 10 ins diam. bears $S33^{\circ}30'E.$ 3.8 lbs dist. marked $\frac{1}{4}$ S 17. B.T. descend W.slope 75 ft Ravine Course S.

Ascend E.slope 450 ft

The cor. of secs. 7. 8. 17. and 18.

Land Mountainous
Soil rocky 4th rate
Timber Pine

Mountainous and Heavily timbered Land
80.02. chs

$S89^{\circ}47'W.$ on a random line bet secs 7 and 18
Set temp $\frac{1}{4}$ sec cor.

Intersect the W. bdy. of the 11 lbs N. of cor. of secs 7. 12. 13. and 18. which is a Granite Stone 12 x 4 x 6 ins above ground marked and witnessed as described

40.00

80.15

Subdivision of T 3 N. R 2 W.

	by the Surveyor General Thence I run N 89° 42' E. on a true line bet secs 7 and 18 ascend S.W. slope 150 ft
9.00	Spur projects S. descend S.E. slope 100 ft
18.00	Ravine course S. ascend W slope 200 ft
29.00	Top of Ridge bears N.W. and S.E. descend W.E. slope 150 ft
40.15	Set a Granite Stone 16x7x6 ins 10 ins in the ground for 1/4 sec cor marked 1/4 on N. face, from which, A Pine 12 ins diam bears S 3° 45' W 41 lbs dist marked 1/4 S 18 B.T. A Pine 12 ins diam bears N 18° 45' W 6.2 lbs dist marked 1/4 S 7 B.T. descend N.E. slope 100 ft
50.00	Head of Ravine course S.E.
80.15	The cor of secs. 7. 8. 17. and 18. Land Mountainous Soil rocky & rock Timber Pine Mountainous and Heavily timbered land 80.15 chs

	No. 4 W. bet secs. 7 and 8. ascend S.E. slope 75 ft. through Pine timber
7.00	Spur projects E. descend W.E. slope 200 ft
28.00	Head of Ravine course S.E. ascend S.E. slope 75 ft
40.00	Set a Granite Stone 14x8x6 ins 10 ins in the ground for 1/4 sec cor. marked 1/4 on W. face from which, A. Pine 76 ins diam bears S 70° 30' E. 92 lbs dist. marked 1/4 S 8 B.T.
	A Pine 14 ins diam bears S 69° 30' W. 103 lbs dist marked 1/4 S 7. B.T. ascend S.E. slope 150 ft. Thence along E. slope
80.00	Set a Granite Stone 18x11x6 in 12 in in the ground for cor of secs 5-6. 7 and 8. marked with 5 notches on S. and 5 notches on E. edges. from which. A Pine 7 ins diam bears N 37° 00' E. 126 lbs

Subdivision of T 3 N. R 2 W.

marked T 3 N. R 2 W. S 5 B. T.

A Pine 12 ins diam bears S 60° 30' E. 37 lbs dist
marked T 3 N. R 2 W. S 8. B. T.

A Pine 12 ins diam bears S 35° 00' W. 30 lbs dist
marked T 3 N. R 2 W. S 7 B. T.

A Pine 10 ins diam bears. N 77° 00' W. 56 lbs dist
marked T 3 N. R 2 W. S 6 B. T.

Land mountainous

Soil rocky 3rd rate

Timber pine.

Mountains an d heavily timbered land
80.00 chs

June 27th 1904. At 12th 03rd P.M. I m. T. at the
above cor. I set off 23° 20' N. on the Decl Ave.
and observe the Sun on the meridian, the
resulting Lat is 40° 41'; the proper Lat
is nearly

N 89° 53' E. on a random line bet secs 5 and 8

40.00 Set temp $\frac{1}{4}$ sec cor.

79.96 I intersect N and S line 4 lbs N of cor of
secs. 4. 5. 8. and 9. Then I run

S 89° 55' W. on a true line bet secs 5 and 8.

Descend SW slope 200 ft. through pine timber
Creek 15 lbs wide 5 ins deep course S. ascend
S.E. slope 75 ft.

34.00 Spur of ridge bears S. descend SW slope 100 ft

Set a Granite stone, 17 x 14 x 4 ins 12 ins in the
ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on N face from which
A Pine 10 ins diam bears N 44° 00' E. 53 lbs dist
marked $\frac{1}{4}$ S 5 B. T.

A Pine 7 ins diam bears South 72 lbs dist
marked $\frac{1}{4}$ S 8 B. T. descend SW slope 75 ft.

Ravine course S. ascend E slope 300 ft.
The cor of secs. 5. 6. 7. and 8.

Land mountainous

Soil rocky 3rd rate

Timber pine.

Mountains an d heavily timbered land
79.96 chs

Subdivision of T 3 N. R 2 W.

	June 27 to 1904. At 2:00 P.M. cont.
	Set off 40° 41' + on the Lat Arc. 23° 20' N. on the Decl arc. and determine a true Meridian with the Solar, at the cor of secs 5. 6. 7. and 8. thence drawn S 89° 42' W. on a random line bet sec 6 and 7
40.00	Set temp $\frac{1}{4}$ sec cor.
80.03	Intersect - W. bdy of Tp. 5 lbs S of the cor of secs 1. 6. 7. and 12. which is a Granite stone 12 x 6 x 5 ins above ground, marked and and witnessed as described by the Surveyor or General. thence drawn N 89° 44' E. on a true line bet sec 6 and 7. Along rough S. slope through pine timber
10.00	Head of Ravine course Sur. ascend NW. slope 50 ft.
25.00	Ridge bears N. and S. descend NE. slope 100 ft
40.03	Set a Granite stone 15 x 10 x 4 ins 10 ins in the ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on N face, from which A Pine 6 ins diam bears N 22° 00' E. 14 lbs dist marked $\frac{1}{4}$ S 6 B.T.
	A Pine 10 ins diam bears S 10° 30' W. 18 lbs dist marked $\frac{1}{4}$ S 7 B.T. descend NE. slope 50 ft
72.00	Spur projects NE. descend E. slope 75 ft.
80.03	The cor of secs 5. 6. 7. and 8. Land mountainous Soil rocky 3 rd rate Timber pine Mountainous and heavily timbered land 80.03 obs

	N 0° 4' W. on a random line bet sec 5 and 6
40.00	Set temp $\frac{1}{4}$ sec cor.
80.15	Intersect - N bdy. of Tp. 23 lbs E. of cor of secs 5. 6. 31. and 32. which is a Granite stone 10 x 8 x 4. ins above ground, marked and and witnessed as described by the Surveyor or General. Thence drawn S 0° 14' E. on a true line bet sec 5 and 6 Descend SW. slope 500 ft through pine timber.

Sub-division of T 3 N. R 2 W.

- 40.15 Set a Granite stone 14x7x7 ins 10 ins in the ground, for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on W face, from which.
A Pine 6 ins diam bears S $24^{\circ} 00'$ E. 62 lbs marked $\frac{1}{4}$ S 5 B.T.
A Pine 10 ins diam bears West 58 lbs dia marked $\frac{1}{4}$ S 6 15 T.
Descent SW. slope 300 ft
57.00 Ravine course S.E.
Descent N.E. slope 300 ft.
80.15 The cor of secs. 5. 6. 7. and 8.
Land mount areas
Soil rocky 3rd rate
Timber pine
Mountainous and heavily timbered land
80.15 Chs

June 27-1904.

Boundaries of T 3 N. R 2 W.

Latiitudes D artiles and chain errors.

Line designated	True bearing Distances	Line dists		D artiles	
		C. 1st.	C. 1st.	S. chs.	E. chs.
Eddy T3R2W North	480.	480.	480.	.56	480.20
W. " " S 89° 56' W.	480.20				
W. " " South	480.		480.		
S. " " N 89° 47' E	481.40	1.82		481.40	
Carrying		481.82	480.56	481.40	480.81
		<u>480.56</u>		<u>480.81</u>	
				.59	

Error in Lat. - - - - - 1.26

Error in Dep. - - - - - .59

General Description.

This Township 3 N. R 2 W. is Mountainous in character well watered, and covered with a heavy growth of pine and aspen timber, the Elkhorn River flows through the Southwestern cor of the Tp.

The soil is very rocky, through the entire Township, and is of little or no value for agricultural purposes.

There is a Lake in the N. 1/4 of sec sec 12, covering about 15 acres, known

Subdivision of T 3 N. R 2 W

as Pole creek lake, which is also the headwaters of Pole creek which runs through the Township. There is also a lake in Northern part sec 2. There being no settlers in the Twp. and no indication of Mineral.

William Dallas

U. S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of _____ showing the respective capacities in which they acted:

_____, Chainman.

_____, Chainman.

_____, Moundman.

Fairfield affidavit see last H. G. S. M. P. I. W., Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

of the _____

meridian, _____ of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

_____, Chainman.

_____, Chainman.

Fairfield affidavit see last H. G. S. M. P. I. W., Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 190 _____ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from United States Surveyor General for bearing date of the day of , 190 I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of of the meridian, in the which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said and sworn to before me }
this day of , 190 }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah Nov 12, 1903
The foregoing field notes of the survey of *The full division lines of
Township 3 North Range 2 West of the Meridian
Special Bar & Meridian, Utah*

executed by *William Dallas*, under his contract No. *267*, dated , 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in has been correctly copied from the original notes on file in this office

United States Surveyor General